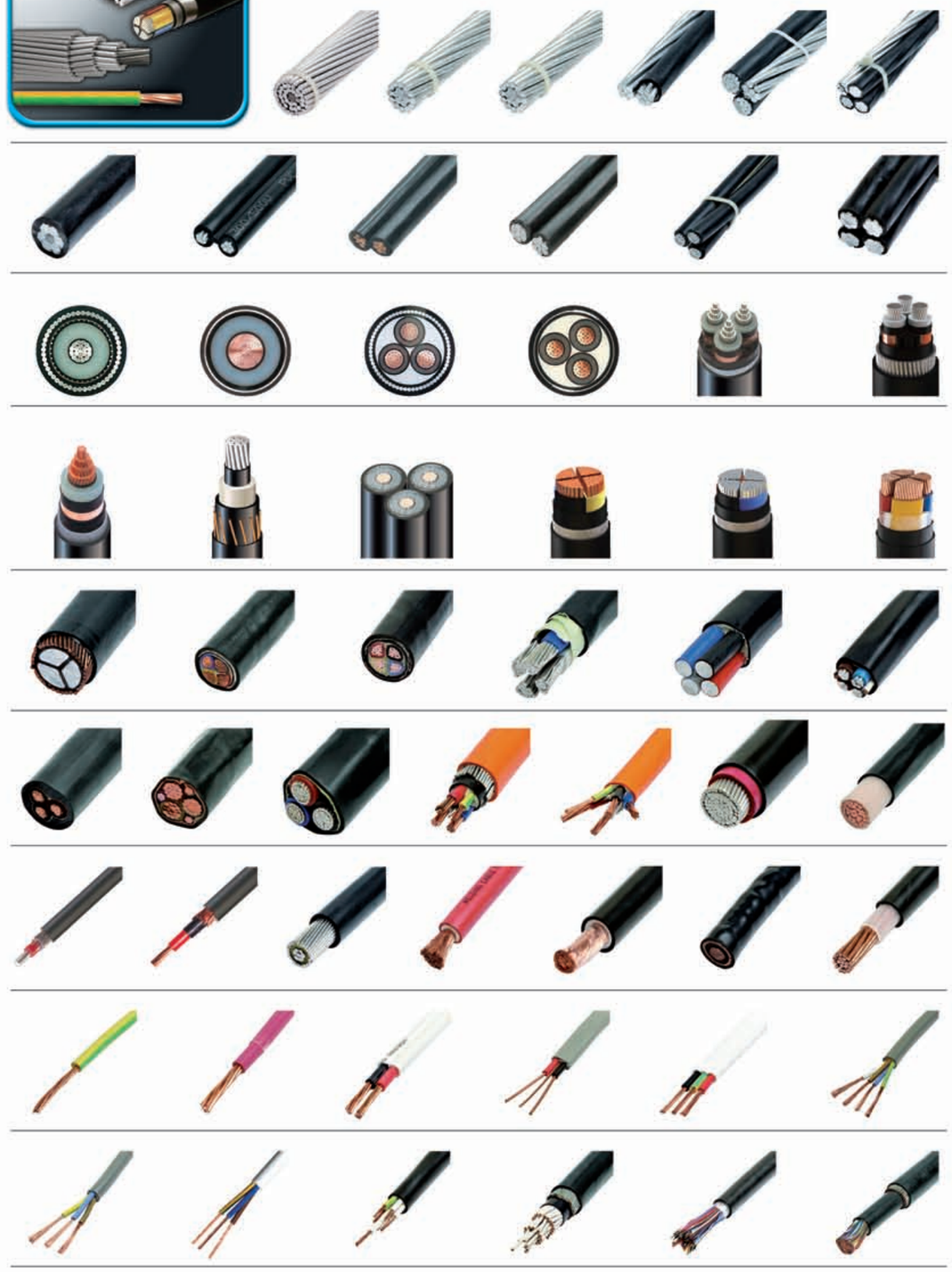


LV XLPE Insulated Aerial Bundled Cables Aluminium Core

0.6/1kV XLPE (X-90) insulated, aerial bundled cables
(service and mains cables) to AS/NZS 3560 & BS7870
Hard drawn aluminum conductors

Physical Data

Nominal conductor area mm^2	Nominal conductor diameter mm	Average insulation thickness mm	Nominal diameter over insulation mm	Nominal diameter over laid-up cores mm	Approximate mass kg/km	Product code
2 core						
16	4.7	1.3	7.4	14.8	130	XDAB15AA002
25	5.9	1.3	8.6	17.2	190	XDAB17AA002
35	6.9	1.3	9.6	19.3	250	XDAB18AA002
50	8.1	1.5	11.2	22.3	340	XDAB19AA002
95	11.4	1.7	14.9	29.8	640	XDAB22AA002
3 core						
25	5.9	1.3	8.6	18.5	290	XDAB17AA003
35	6.9	1.3	9.6	20.8	370	XDAB18AA003
50	8.1	1.5	11.2	24.1	510	XDAB19AA003
4 core						
16	4.7	1.3	7.4	17.8	270	XDAB15AA004
25	5.9	1.3	8.6	20.8	390	XDAB17AA004
35	6.9	1.3	9.6	23.2	500	XDAB18AA004
50	8.1	1.5	11.2	27.0	670	XDAB19AA004
70	9.7	1.5	12.8	30.8	930	XDAB20AA004
95	11.4	1.7	14.9	36.0	1280	XDAN22AA004
120	12.8	1.7	16.3	39.3	1570	XDAB23AA004
150	14.2	1.7	17.7	42.8	1890	XDAB24AA004

Self-supporting LV-ABC Cables (France standard)

Self-supporting LV-ABC Cables
according to HD 626 S1:1996 Part 6-Section E

Aluminum conductors with XLPE Insulation
products standards: NFC 33-209

Dimensions of Bundled Cables

Nunber of phzse cores x cross section +public lighting conductors +neutral cross section (mm^2)	Bundle diameter approx. (mm)
3X25mm^2+54.6mm^2	30.0
3X35mm^2+kX16mm^2+54.6mm^2	33.0
3X50mm^2+kX16mm^2+54.6mm^2	36.0
3X70mm^2+kX16mm^2+54.6mm^2	37.5
3X70mm^2+kX25mm^2+54.6mm^2	40.0
3X70mm^2+kX16mm^2+70mm^2	41.0
3X95mm^2+kX16mm^2+70mm^2	44.0
3X120mm^2+kX16mm^2+70mm^2	46.0
3X120mm^2+kX16mm^2+95mm^2	47.0
3X150mm^2+kX16mm^2+70mm^2	48.0
3X150mm^2+kX16mm^2+95mm^2	49.0

K number of public ligting conductors (K can be equal to 0,1,2,or3)

Cable & Conductor

Service drop aluminum conductor with AAAC 6201/ACSR/AAC neutral

Application: To supply power from the utility's lines to the consumer's weather-head. For service at 600V or below (Phase to phase) at a conductor temperature of 70℃ maximum for Polyethylene insulation or of 90℃ maximum for Cross-linked Polyethylene insulation

Construction: Concentric stranded or compressed conductors of aluminum 1350 H19 covered for weather proofing with Polyethylene, High Density Polyethylene (HDPE) or Cross-linked Polyethylene (XLPE) insulation, concentric stranded AAC, ACSR or 6210 AAAC Alloy neutral messenger.

- ASTM B 230, aluminum wire, 1350-H19 for electrical purpose
- ASTM B 231, aluminum conductor, concentric laying stranded
- ASTM B 232, Aluminum conductor steel reinforced (ACSR)
- ASTM B 399, Concentric laying stranded aluminum alloy conductor 6201-T81

Service drop conductors meet or exceed all applicable requirement of ICEA S-76-474

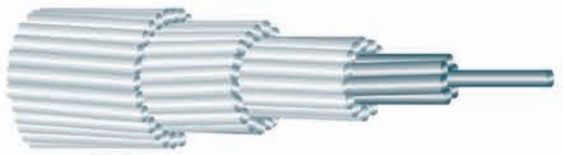
Phase Conductor			Bare Neutral Messenger		Ampacity* (A)	
Size AWG	Stranded (Nos)	Insulation Thickness (Mils)	Size AWG	Stranded (Nos)	XLPE	POLY
6	7 wire	45	6	7 wire	85	70
4	7 wire	45	4	7 wire	110	90
2	7 wire	45	2	7 wire	150	115
1/0	7 wire	60	1/0	7 wire	200	155
1/0	19 wire	60	1/0	7 wire	200	155
2/0	7 wire	60	2/0	7 wire	230	180
2/0	19 wire	60	2/0	7 wire	230	180
3/0	19 wire	60	3/0	7 wire	260	205
4/0	19 wire	60	4/0	7 wire	300	235

MV XLPE Insulated Aerial Bundled Cables 6.35/11, 12.7/22 & 19/33kV

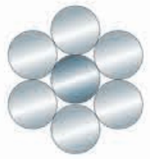
XLPE covered aerial cables to AS/NZS 3675 & BS standard.
Water blocked aluminum alloy 1120/6201, or ACSR conductors.
Available with XLPE/HDPE covering.

Nominal conductor area mm^2	Number and nominal diameter of wires no/mm	Nominal conductor diameter mm	Average insulation thickness mm	Nominal diameter over insulation mm	Approximate mass kg/km
6.35/11KV					
40	7/2.75	8.3	3.4	15.6	250
80	7/3.75	11.3	3.4	18.6	400
120	7/4.75	14.3	3.4	21.6	570
180	19/3.50	17.5	3.4	24.9	780
240	19/4.01	20.1	3.4	27.4	1060
12.7/22KV					
80	7/3.75	11.3	5.5	22.9	530
120	7/4.75	14.3	5.5	25.9	720
180	19/3.50	17.5	5.5	29.2	950
19/33KV					
80	7/3.75	11.3	8.0	28.2	720
120	7/4.75	14.3	8.0	31.2	940
180	19/3.50	17.5	8.0	34.4	1190

MARK CABLES | POWER SOLUTIONS



Aluminium Conductor Steel Reinforced-ACSR(American Standard :ASTM B 232 & Canadian Standard: CSA C-49)

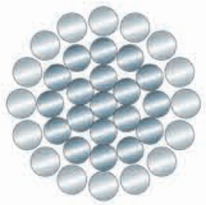


6Al./1 St.

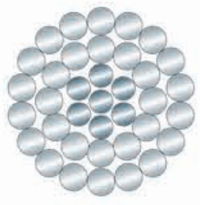
4Al./3 St.

3Al./4 St.

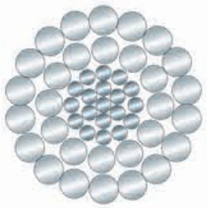
7Al./7 St.



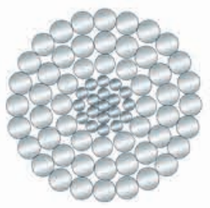
16Al./19 St.



30Al./7 St.



30Al./19 St.



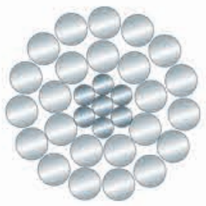
54Al./19 St.

Code name	Stranding and wire diameter	Overall diameter	Aluminium area	Steel area	Total area	Mass kb/km	Ultimate tensile strength	Coefficient of linear expansion	Initial modulus of elasticity	Final modulus of elasticity	DC resistance at 20℃	Current rating
	mm	mm	mm^2	mm^2	mm^2	Total	Newton	/C° X10⁶	Mpa	Mpa	Ω/Km	A
WREN	6/1/1.33	3.99	8.34	1.39	9.73	33.80	4100	19.32	71100	80400	3.4423	75
WARBLER	6/1/1.50	4.50	10.60	1.77	12.37	43.10	4780	19.31	65000	80400	2.7062	87
TURKEY	6/1/1.68	5.04	13.30	2.22	15.52	54.00	5600	19.31	60500	80400	2.1574	100
THRUSH	6/1/1.89	5.67	16.83	2.81	19.64	68.40	6700	19.31	57000	80400	1.7046	120
SWAN	6/1/2.12	6.36	21.18	3.53	24.71	86.10	8080	19.31	54500	80400	1.3548	130
SWALLOW	6/1/2.38	7.14	26.69	4.45	31.14	108	9850	19.31	52600	80400	1.0750	150
SPARROW	6/1/2.67	8.01	33.59	5.60	39.19	137	12100	19.31	51200	80400	0.8541	180
ROBIN	6/1/3.00	9.00	42.41	7.07	49.48	173	15000	19.31	50200	80400	0.6766	210
RAVEN	6/1/3.37	10.11	53.52	8.92	62.44	217	18700	19.31	49400	80400	0.5361	240
QUAIL	6/1/3.78	11.34	67.33	11.22	78.55	273	23300	19.31	49000	80400	0.4261	270
PIGEON	6/1/4.25	12.75	85.11	14.19	99.30	346	29300	19.31	48600	80400	0.3371	320
PENGUIN	6/1/4.77	14.31	107.22	17.87	125.09	436	36800	19.31	48500	80400	0.2676	370
PARTRIDGE	26/2.57 +7/2.00	16.28	134.88	21.99	156.87	547	49800	19.37	52400	77100	0.2140	420
OWL	6/5.36 +7/1.79	16.09	135.38	17.62	153.00	511	43600	19.90	47800	76500	0.2119	420
WAXWING	18/1/3.09	15.47	134.98	7.50	142.48	432	30800	21.44	41900	66200	0.2126	420
PIPER	30/7/2.54	17.78	152.01	35.47	187.48	701	66900	18.43	55900	83400	0.1901	460
OSTRICH	26/2.73 +7/2.12	17.28	152.19	24.71	176.90	616	55200	19.38	51500	77000	0.1897	460
ORIOLE	30/7/2.69	18.83	170.50	39.78	210.28	787	74200	18.43	55300	83400	0.1695	490
LINNET	26/2.89 +7/2.25	18.31	170.56	27.83	198.39	692	61200	19.37	50900	77100	0.1692	490
MERLIN	18/1/3.47	17.37	170.22	9.46	179.68	544	38300	21.44	41300	66200	0.1686	480
CHICADEE	18/1/3.77	18.87	200.93	11.16	212.09	643	44900	21.44	41000	66200	0.1427	530
LARK	30/7/2.92	20.44	200.89	46.88	247.77	928	86300	18.43	54500	83400	0.1438	550
IBIS	26/3.14 +7/2.44	19.88	201.34	32.73	234.07	816	71000	19.38	50100	77000	0.1434	540
PELICAN	18/1/4.14	20.70	242.31	13.46	255.77	775	53800	21.44	40700	66200	0.1189	600
FLICKER	24/3.58 +7/2.39	21.49	241.59	31.40	272.99	916	75600	19.91	47300	73900	0.1195	610
HEN	30/7/3.20	22.40	241.27	56.30	297.57	1110	103000	18.43	53900	83400	0.1198	610
HAWK	26/3.44 +7/2.68	21.80	241.64	39.49	281.13	981	84300	19.36	49500	77100	0.1195	610
HERON	30/7/3.28	22.96	253.49	59.15	312.64	1170	108000	18.43	53700	83400	0.1140	630

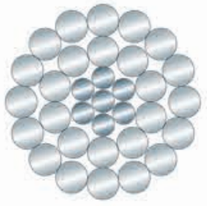
Cable & Conductor

18Al./1 St.

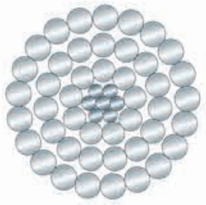
12Al./7 St.



24Al./7 St.



26Al./7 St.

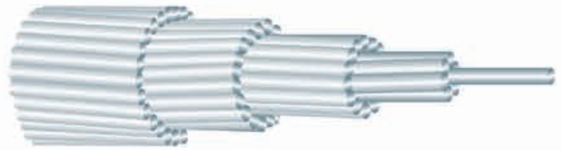


45Al./7 St.

54Al./7 St.

Aluminium Conductor Steel Reinforced-ACSR(British Standard Sizes: BS 215 Part 2)

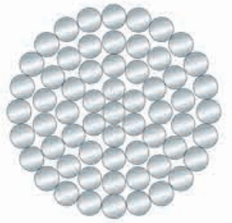
Code name	Stranding and wire diameter	Overall diameter	Aluminium area	Steel area	Total area	Mass kb/km	Ultimate tensile strength	Coefficient of linear expansion	Initial modulus of elasticity	Final modulus of elasticity	DC resistance at 20℃	Current rating
	mm	mm	mm^2	mm^2	mm^2	Total	Newton	$/C° X10^{-6}$	Mpa	Mpa	Ω/Km	A
MOLE	6/1/1.50	4.50	10.60	1.77	12.37	43.10	4780	19.31	65000	80400	2.7062	87
SQUIRREL	6/1/2.11	6.33	20.98	3.50	24.48	85.20	8020	19.31	54600	80400	1.3677	130
GOPHER	6/1/2.36	7.08	26.25	4.37	30.62	107	9610	19.31	52700	80400	1.0933	150
WEASEL	6/1/2.59	7.77	31.61	5.27	36.88	129	11450	19.31	51500	80400	0.9077	170
FOX	6/1/2.79	8.37	36.68	6.11	42.80	149	13100	19.31	50700	80400	0.7822	190
FERRET	6/1/3.00	9.00	42.41	7.07	49.48	173	15200	19.31	50200	80400	0.6766	210
RABBIT	6/1/3.35	10.05	52.88	8.81	61.70	214	18500	19.31	49500	80400	0.5426	240
MINK	6/1/3.66	10.98	63.13	10.52	73.65	257	21900	19.31	49100	80400	0.4546	260
SKUNK	12/7/2.59	12.95	63.22	36.88	100.10	467	52900	15.84	71900	108000	0.4571	270
BEAVER	6/1/3.99	11.97	75.02	12.50	87.53	304	25900	19.31	48800	80400	0.3825	290
HORSE	12/7/2.79	13.95	73.36	42.80	116.16	541	60700	15.84	71000	108000	0.3939	300
RACCOON	6/1/4.09	12.27	78.83	13.14	91.97	320	27200	19.31	48700	80400	0.3640	300
OTTER	6/1/4.22	12.66	83.92	13.99	97.91	341	28900	19.31	48700	80400	0.3419	310
CAT	6/1/4.50	13.50	95.43	15.90	111.33	388	32800	19.31	48500	80400	0.3007	340
HARE	6/1/4.72	14.16	104.98	17.50	122.48	427	36000	19.31	48500	80400	0.2733	360
DOG	6/4.72 +7/1.57	14.15	104.98	13.55	118.53	389	34700	19.92	48800	76400	0.2733	360
HYENA	7/4.39 +7/1.93	14.57	105.95	20.48	126.43	453	41900	18.93	52400	82200	0.2697	360
LEOPARD	6/5.28 +7/1.75	15.81	131.37	16.84	148.21	494	42200	19.54	47800	76300	0.2184	410
COYOTE	26/2.54 +7/1.91	15.89	131.74	20.06	151.80	524	47300	19.54	51900	76000	0.3035	420
TIGER	30/7/2.36	16.52	131.23	30.62	161.85	606	58700	18.43	56900	83400	0.2202	420
WOLF	30/7/2.59	18.13	158.06	36.88	194.94	730	69200	18.43	55700	83400	0.1828	470
LYNX	30/7/2.79	19.53	183.41	42.80	226.20	846	79300	18.43	54900	83400	0.1576	520
PANTHER	30/7/3.00	21.00	212.06	49.48	261.54	970	90800	18.43	54300	83400	0.1363	560
LION	30/7/3.18	22.26	238.27	55.60	293.86	1100	101000	18.43	53900	83400	0.1213	610
BEAR	30/7/3.35	23.45	264.42	61.70	326.12	1220	112000	18.43	53600	83400	0.1093	650
GOAT	30/7/3.71	25.97	324.31	75.67	399.98	1500	136000	18.43	53100	83400	0.0891	730
SHEEP	30/7/3.99	27.93	375.11	87.53	462.63	1730	157000	18.43	52900	83400	0.0770	800
ANTELOPE	54/7/2.97	26.73	374.11	48.50	422.60	1420	117000	19.91	47700	73200	0.0773	790
BISON	54/73.00	27.00	381.70	49.48	431.18	1450	119000	19.91	47600	73200	0.0757	800
DEER	30/7/4.27	29.89	429.60	100.24	529384	1980	179000	18.43	52800	83400	0.0673	870
ZEBRA	54/7/3.18	28.62	428.88	55.60	484.48	1630	133000	19.91	47300	73200	0.0674	860
ELK	30/7/4.50	31.50	477.13	111.33	588.46	2200	199000	18.43	52700	83400	0.0606	930
CAMEL	30/7/3.35	30.15	475.96	61.70	537.66	1810	147000	19.91	47000	73200	0.0607	920
MOOSE	54/7/3.53	31.77	528.49	68.51	596.99	2000	162000	19.91	46700	73200	0.0547	980
DINOSAUR	54/3.95 +19/2.36	35.50	661.73	83.11	744.84	2493	202920	19.91	46700	72200	0.0437	1110
BERSFORD	48/4.27 +7/3.32	35.58	687.36	60.60	747.96	2386	177650	20.68	43200	68800	0.0420	1132



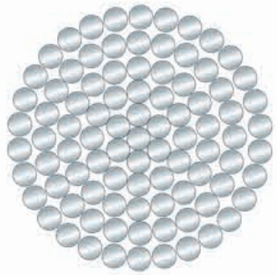
7Al.

19Al.

37Al.



61Al.



91Al.

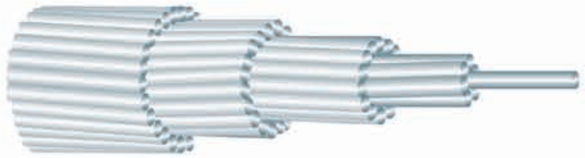
All Aluminium Conductor - AAC (British Standard Sizes: BS 215 Part 1)

Code name	Equival. copper area	Stranding and wire diameter	Overall diameter	Aluminium area	Mass	Ultimate tensile strength	Coefficient of linear expansion	Initial modulus of elasticity	Final modulus of elasticity	DC resistance at 20℃	Current rating	Standard drum length
	mm^2	mm	mm	mm^2	kb/km	Newton	$/C° X10^{-6}$	Mpa	Mpa	Ω/Km	A	m
MIDGE	14.19	7/2.06	6.18	23.33	64.00	4340	23	52400	61000	1.2271	139	3000
APHIS	16.13	3/3.35	7.24	26.44	72.70	4340	23	50000	69000	1.0810	154	3000
GNAT	16.13	7/2.21	6.63	26.85	73.70	4860	23	52400	61000	1.0662	152	3000
WEEVIL	19.35	3/3.66	7.91	31.56	86.80	5130	23	60000	69000	0.9078	172	3000
MOSQUITO	22.58	7/2.59	7.77	36.88	101	6360	23	52400	61000	0.7763	185	2500
LADYBIRD	25.81	7/2.79	8.37	42.80	117	7250	23	52400	61000	0.6690	203	2500
ANI	32.26	7/3.10	9.30	52.83	145	8770	23	52400	61000	0.5419	231	2500
FLY	38.71	7/3.40	10.20	63.55	174	10400	23	52400	61000	0.4505	259	2500
BLUEBOTTLE	45.16	7/3.66	10.98	73.65	202	12000	23	52400	61000	0.3887	284	2500
EARWIG	48.39	7/3.78	11.34	78.55	216	12700	23	52400	61000	0.3644	296	2500
GRASSHOPPER	51.61	7/3.91	11.73	84.05	231	13600	23	52400	61000	0.3406	308	2000
GLEGG	58.06	7/4.17	12.51	95.60	262	15400	23	52400	61000	0.2995	334	1500
WASP	64.52	7/4.39	13.17	105.95	291	17000	23	52400	61000	0.2702	356	1500
BEETLE	64.52	19/2.67	13.35	106.38	293	18200	23	49650	59650	0.2704	358	2000
BEE	80.64	7/4.90	14.70	132.00	362	21000	23	52400	61000	0.2169	408	1000
CRICKET	96.77	7/5.36	16.08	157.95	434	25100	23	52400	61000	0.1813	456	1000
HORNET	96.77	19/3.25	16.25	157.95	435	26000	23	49650	59650	0.1825	457	2000
CATERPILLAR	112.90	19/3.53	17.65	185.95	513	30300	23	49650	59650	0.1547	506	2000
CHAFER	129.00	19/3.78	18.90	213.22	588	34500	23	49650	59650	0.1349	551	2000
SPIDER	145.20	19/3.99	19.95	237.57	655	38300	23	49650	59650	0.1211	589	1500
COCKROACH	161.30	19/4.22	21.10	265.75	733	42700	23	49650	59650	0.1083	632	1500
BUTTERFLY	193.50	19/4.65	23.25	322.66	890	51500	23	49650	59650	0.0892	713	1000
MOTH	225.80	19/5.00	25.00	373.06	1030	59400	23	49650	59650	0.0771	779	1000
DRONE	225.80	37/3.58	25.06	372.44	1030	60600	23	48250	58600	0.0774	779	1000
LOCUST	258.10	19/5.36	26.80	428.72	1180	68200	23	49650	59650	0.0671	849	2000
CENTIPEDE	258.10	37/3.78	26.46	415.22	1150	67200	23	48250	58600	0.0694	833	1000
MAYBUG	290.30	37/4.09	28.63	486.11	340	78200	23	48250	58600	0.0593	918	1000

All Aluminium Conductor - AAC(German Standard Size: DIN 48201-5)

Nominal cross section (mm^2)	Nos. Of Stranding & Diameter (mm)	Cabculated Cross Section area (mm^2)	Approx Overall Diameter (mm^2)	Calculated min. Breaking Load(KN)	Mass of Conductor (Kg/Km)	Calculated D.C. Resistance at 20℃ (Ohm/Km)	Delivery length (Meter)	Drum Designation
16	7/1.70	15.89	5.1	290	44	1.798	3000	PL710
25	7/7.21	24.25	6.3	425	67	1.777	2500	PL1000
35	7/2.5	34.36	7.5	585	94	0.831	3200	PL1000
50	7/3.0	39.48	9.0	810	135	0.577	2850	PL1000
50	19/1.8	48.36	9.0	860	133	0.596	2850	PL1000
70	19/2.1	65.82	10.5	1150	181	0.438	2500	PL1200
95	19/2.5	93.27	12.5	1595	256	0.309	2500	PL1250
120	19/2.8	117.0	14.0	1910	322	0.246	2000	PL1250
150	37/2.25	147.1	15.7	2520	406	0.197	1800	PL1250
185	37/2.5	181.6	17.5	3105	501	0.160	2300	PL1500
240	61/2.5	242.5	20.2	4015	670	0.120	2300	PL1600
300	61/2.5	299.4	22.5	4850	827	0.0969	2000	PL1600
400	61/2.89	400.1	26.0	6190	1105	0.0730	2400	PL1800
500	61/3.23	499.8	29.1	7600	1381	0.0580	2000	PL1800

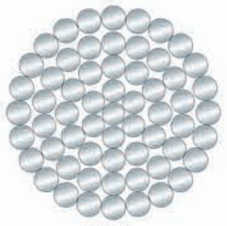
Cable & Conductor



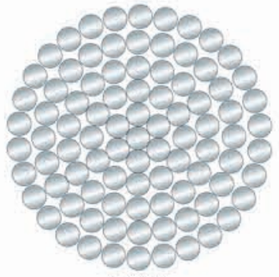
7 Al Alloy

19 Al Alloy

37 Al Alloy



61Al Alloy



91Al Alloy

Aluminium Alloy Conductor - AAAC (American Standard Sizes: ASTM B 399)

Code Name	Calculated Area	Stranding No. And wire Dia	Overall Diameter	Mass of conductor	Nominal Breaking Load	Max. D.C. Resistance at 20℃
-	(mm^2)	Nos./mm)	mm	Kg/Km	daN	Ohm/Km
Akron	15.51	7/1.68	5.04	42.7	492	2.1598
Alton	24.71	7/2.12	6.36	68.0	784	1.3556
Ames	39.19	7/2.67	8.02	108	1245	0.8548
Azusa	62.44	7/3.37	10.11	172	1984	0.5365
Anaheim	78.55	7/3.78	11.35	217	2393	0.4265
Amherst	99.30	7/4.25	12.75	273	3018	0.3373
Alliance	125.1	7/4.77	14.31	345	3806	0.2678
Butte	159.6	19/3.26	16.30	437	4876	0.2112
Canton	199.9	19/3.66	18.30	551	5891	0.1676
Cairo	236.4	19/3.98	19.88	650	6948	0.1417
Darien	283.7	19/4.66	21.79	781	8354	0.1181
Elgin	331.0	19/4.71	23.54	911	9742	0.1012
Flint	374.5	37/3.59	25.16	1035	10821	0.0894
Greeley	469.6	37/4.02	28.14	1295	13547	0.0713

All Aluminium Alloy Conductor - AAAC (Franch Standard Sizes: NFC 34-125)

Designation of Conductor	Conductor Cross Section (mm^2)	Structure		Outside Diameter of Conductor (mm)	Rated Breaking Strength (daN)	Electrical Resistance per km at 20℃ (W)	Weight without Grease per km (kg)	Conductor Modulus of Elasticity (Mpa)	Conductor coefficient of Expansion (10-6/deg C)
		Number of Wires	Nominal Diameter of Wires (mm)						
ASTER 54.6	54.55	7	3.15	9.45	1775	0.603	149	62000	23
ASTER 75.5	75.54	19	2.25	11.25	2455	0.438	208	60000	23
ASTER 148	148.01	19	3.15	15.75	4810	0.224	407	60000	23
ASTER 181.6	181.62	37	2.50	17.50	5900	0.183	500	57000	23
ASTER 288	288.34	37	3.15	22.05	9370	0.115	794	57000	23
ASTER 366	366.22	37	3.55	24.85	11535	0.0905	1009	57000	23
ASTER 570	570.22	61	3.45	31.05	18530	0.0583	1574	54000	23

Low Voltage 600/1000V Amoured Underground Power cables BS & IEC Standard

- Rated voltage: 600/1000V
- Conductor: BS 6360 Class 2, stranded copper or Aluminum (IEC 60228)
- Insulation: BS 6746 TI 1 PVC Compound (XLPE Optional)
- Insulation Color: Standard Red, Yellow, Blue, Black
- Armouring: Double layer galvanized steel tape Galvanized steel wire or
- Sheath (Jacket): BS 6746 TM1 PVC Compound (HDPE Optional)
- Operating temperature: 70℃ (90℃ Option)

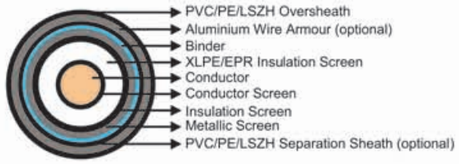
Steel tape armoring

Nominal Cross Section (mm^2)	Insulation Thickness (mm)	Thickness of Inner sheath (mm)	Thickness of Steel Tape (mm)	Over Sheath Thickness (mm)	Overall Diameter of Cable (mm)	Mass of Cable (Kg/Km)		Max Resistance of Conductor at 20℃ (Ohm/Km)	
						Conductor material		Conductor material	
						Copper	Aluminum	Copper	Aluminum
4 x 1.5	0.6	0.8	0.9	1.4	13.5	365	-	12.1	-
4 x 2.5	0.7	0.8	0.9	1.4	15.0	455	-	7.41	-
4 x 4	0.8	0.8	0.9	1.5	17.8	700	569	4.61	7.41
4 x 6	0.8	0.8	1.25	1.5	19.2	820	625	3.08	4.61
4 x 10	1.0	0.8	1.25	1.6	22.8	1135	866	1.83	3.08
4 x 16	1.0	1.0	1.25	1.7	26.3	1685	1184	1.15	1.91
4 x 25	1.2	1.0	1.6	1.8	27.8	2150	1540	0.727	1.20
4 x 35	1.2	1.0	1.6	1.9	30.5	2650	1740	0.524	0.868
4 x 50	1.4	1.2	2.0	2.0	35.4	366	2024	0.387	0.641
4 x 70	1.4	1.2	2.0	2.1	39.2	4735	2681	0.268	0.443
4 x 95	1.6	1.2	2.0	2.2	44.3	6130	3775	0.193	0.320
4 x 120	1.6	1.4	2.5	2.4	49.3	7835	4258	0.153	0.253
4 x 150	1.8	1.4	2.5	2.5	53.6	9300	5018	0.124	0.206
4 x 185	2.0	1.6	2.5	2.6	59.0	11375	5981	0.0991	0.164
4 x 240	2.2	1.6	2.5	2.8	70.0	14545	7206	0.0754	0.125
4 x 300	2.4	1.6	3.15	3.0	80.0	18670	9213	0.0601	0.100
4 x 400	2.6	1.8	3.15	3.3	88.0	22980	13095	0.0470	0.0778

Steel wire armoring

Nominal Cross Section (mm^2)	Insulation Thickness (mm)	Thickness of Inner sheath (mm)	Thickness of Steel Tape (mm)	Over Sheath Thickness (mm)	Overall Diameter of Cable (mm)	Mass of Cable (Kg/Km)		Max Resistance of Conductor at 20℃ (Ohm/Km)	
						Conductor material		Conductor material	
						Copper	Aluminum	Copper	Aluminum
4 x 4	1.0	1.2	2 x 0.2	1.8	17.0	555	459	4.61	7.41
4 x 6	1.0	1.2	2 x 0.2	1.8	18.4	668	536	3.08	4.61
4 x 10	1.0	1.2	2 x 0.2	1.8	20.2	928	672	1.83	3.08
4 x 16	1.0	1.2	2 x 0.2	1.8	22.7	1218	823	1.15	1.91
4 x 25	1.2	1.2	2 x 0.2	1.8	26.5	1661	1040	0.727	1.20
4 x 35	1.2	1.2	2 x 0.2	1.9	29.4	2108	1238	0.524	0.868
4 x 50	1.4	1.2	2 x 0.2	1.9	30.7	3061	1820	0.387	0.641
4 x 70	1.4	1.2	2 x 0.2	1.9	35.8	4016	2277	0.268	0.443
4 x 95	1.6	1.2	2 x 0.2	2.0	41.1	5196	2873	0.193	0.320
4 x 120	1.6	1.2	2 x 0.2	2.1	44.8	6240	3259	0.153	0.253
4 x 150	1.8	1.4	2 x 0.5	2.6	53.7	7708	3983	0.124	0.206
4 x 185	2.0	1.6	2 x 0.5	2.8	58.9	9542	4772	0.0991	0.164
4 x 240	2.2	1.8	2 x 0.5	3.0	61.0	11916	5727	0.0754	0.125
4 x 300	2.4	1.8	2 x 0.5	3.3	66.2	14501	6767	0.0601	0.100

Cable & Conductor



Medium Voltage Single Core Cables to BS 6622 & IEC60502

APPLICATIONS:
The three core cables are designed for distribution of electrical power with nominal voltage Uo/U ranging from 3.8/6.6KV to 19/33KV and frequency 50Hz. They are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations.

STANDARD:
BS 6622 & IEC60502
BS 7835 (LSZH)

CONSTRUCTION:
Conductor: Plain annealed copper or aluminium complying with IEC 60228/BS 6360. Copper conductors shall be stranded (class 2) and aluminium conductors shall be either solid or stranded (class 2).
Conductor Screen: Extruded layer of semi-conducting cross-linkable compound is applied over the conductor and shall cover the surface completely. The minimum thickness is 0.3mm and the maximum resistivity shall not exceed 500 Ohm-m at 90°C.
Insulation: Insulation is of cross-linked polyethylene compound XLPE (GP8) conforming to BS 7655-1.3 or EPR (GP7), conforming to BS 7655-1.2.

Table 1. Insulation Thickness

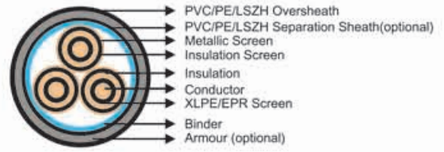
Nom. Cross Section Area mm²	Insulation Thickness at Nom. Voltage				
	3.8/6.6KV (Um=7.2KV) mm	6.35/11KV (Um=12KV) mm	8.7/15KV (Um=17.5KV) mm	12.7/22KV (Um=24KV) mm	19/33KV (Um=36KV) mm
70-185	2.5	3.4	4.5	5.5	8.0
240	2.6	3.4	4.5	5.5	8.0
300	2.8	3.4	4.5	5.5	8.0
400	3.0	3.4	4.5	5.5	8.0
Above 500	3.2	3.4	4.5	5.5	8.0

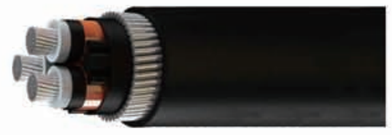
Table 2. Minimum Total Cross Section of Copper Wire Screen & DC Resistance of the screen

Nominal Cross-Section of Cables mm²	Minimum Cross-Section of Copper Wire Screen mm²	DC Resistance of the Copper Wire Screen at 20°C Ω
up to 120	16	1.06
150-300	25	0.72
400-630	35	0.51

Table 3. Armour Wire Diaeter

Fictitious Diameter Under the Armour mm		Armour Wire Diameter mm
>	>	
	25	1.6
25	35	2.0
35	60	2.5
60	-	3.15





Medium Voltage Three Core Cables to BS 6622 & IEC60502

APPLICATIONS:
The three core cables are designed for distribution of electrical power with nominal voltage Uo/U ranging from 3.6/6.6KV to 19/33KV and frequency 50Hz. They are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations.

STANDARD:
BS 6622

CONSTRUCTION:
Conductor: Plain annealed copper or aluminum complying with IEC 60228/BS 6360. Copper conductors shall be stranded (class 2) and aluminum conductors shall be either solid or stranded (class 2).
Conductor Screen: Extruded layer of semi-conducting cross-linkable compound is applied over the conductor and shall cover the surface completely. The minimum thickness is 0.3mm and the maximum resistivity shall not exceed 500 Ohm-m at 90°C.
Insulation: Insulation is of cross-linked polyethylene compound XLPE (GP8) conforming to BS 7655-1.3 or EPR (GP7), conforming to BS 7655-1.2.

Table 1. Insulation Thickness

Nom. Cross Section Area mm²	Insulation Thickness at Nom. Voltage				
	3.8/6.6KV (Um=7.2KV) mm	6.35/11KV (Um=12KV) mm	8.7/15KV (Um=17.5KV) mm	12.7/22KV (Um=24KV) mm	19/33KV (Um=36KV) mm
70-185	2.5	3.4	4.5	5.5	8.0
240	2.6	3.4	4.5	5.5	8.0
300	2.8	3.4	4.5	5.5	8.0
400	3.0	3.4	4.5	5.5	8.0
Above 500	3.2	3.4	4.5	5.5	8.0

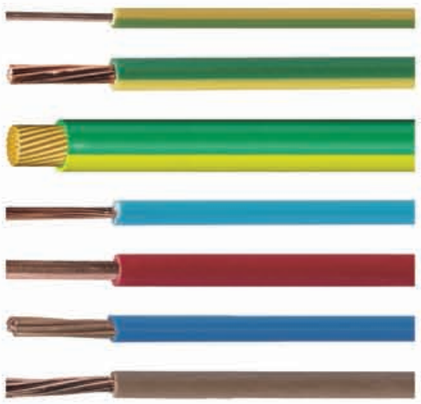
Table 2. Minimum Total Cross Section of Copper Wire Screen & DC Resistance of the screen

Nominal Cross-Section of Cables mm²	Minimum Cross-Section of Copper Wire Screen mm²	DC Resistance of the Copper Wire Screen at 20°C Ω
up to 120	16	1.06
150-300	25	0.72
400-630	35	0.51

Table 3. Approximate thickness of extruded inner coverings

Fictitious Diameter Under the Armour mm		Armour Wire Diameter mm
>	>	
35	45	1.0
25	35	1.2
35	45	1.4
45	60	1.6
60	80	1.8
80	-	2.0

Cable & Conductor



450/750V PVC Insulated Building Wire, BS Standard

- Rated voltage : 450/750V
- Conductor: BS 6360 Class 1 or 2, Annealed wire
- Insulation: PVC Compound
- Insulation Color: Red, yellow, blue, black, green, white, purple, grey,
- Operating temperature: -20℃ to 70℃
- Standard: BS 6004/IEC60227
- Code: H07V-U, H07V-R

Nominal Cross Section (mm^2)	Class of Conductor	Conductor (Nos/mm)	Insulation Thickness (mm)	Max Overall Diameter of Insulated wire (mm)	Mass of wire (Kg/Km)	Max Resistance of Conductor at 20℃ (Ohm/Km)	Min Insulation resistance at 70℃ (Mohm/Km)
1.0	1	1/1.13	0.6	2.7	15	18.0	0.013
1.5	1	1/1.38	0.7	3.2	21	12.0	0.011
1.5	2	7/0.53	0.7	3.3	22	12.0	0.01
2.5	1	1/1.78	0.8	3.9	32	7.41	0.01
2.5	2	7/0.67	0.8	4.0	35	7.41	0.009
4	2	7/0.85	0.8	4.6	50	4.61	0.0077
6	2	7/1.04	0.8	5.2	71	3.08	0.0065
10	2	7/1.35	1.0	6.7	120	1.83	0.0065
16	2	7/1.70	1.0	7.8	180	1.15	0.005
25	2	7/2.14	1.2	9.7	280	0.272	0.005
35	2	19/1.53	1.2	10.9	380	0.524	0.005
50	2	19/1.78	1.4	12.8	510	0.387	0.0045
70	2	19/2.14	1.4	14.6	710	0.268	0.0035

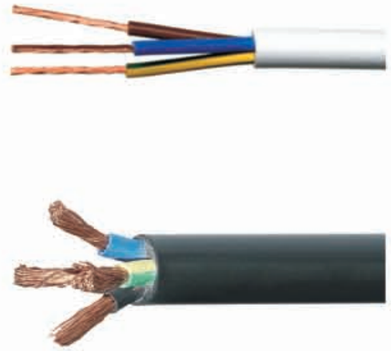
THHN / THWN (UL-83)

APPLICATION
For use in power and control circuits, installed in conduit or duct. For wiring of machine tools (stranded conductors). Suitable for use in dry (90℃) or wet (75℃) location and in presence of oil or gasoline. Maximum voltage continuous rating: 600 V

CONSTRUCTION ELEMENTS
- Solid or stranded bare copper conductor
- PVC insulation
- Nylon Jacket

STANDARDS
Thermoplastic Insulated Wire and Cables UL-83
Electrical Wires, Cables and Flexible Cords, UL -1581

Size AWG	Conductor (Nos)	Conductor (Mil)	Insulation Thickness (Mil)	Nylon Sheath (Mil)	O.D. (Inch)	Metric Construction*mm Conductor Diameter	Insulation Thickness	Overall Diameter	Weight lbs/1000ft Net	Weight lbs/1000ft Cu	Ampacity*A Net	Ampacity*A Cu	Resistanc DC@(20)
14(RE)	1	0.064	15	4	0.105	1.63	0.381	0.102	16	12	20	25	8.280
12(RE)	1	0.081	15	4	0.122	2.05	0.381	0.102	24	20	25	30	5.210
10(RE)	1	0.101	20	4	0.153	2.50	0.508	0.102	38	31	35	40	3.230
14(RM)	7	0.024	15	4	0.112	1.83	0.381	0.102	16	12	20	25	8.280
12(RM)	7	0.030	15	4	0.130	2.29	0.381	0.102	24	18	25	30	5.210
10(RM)	7	0.038	20	4	0.164	2.90	0.508	0.127	38	32	35	40	3.230
8(RM)	7	0.048	30	5	0.220	3.66	0.762	0.127	64	51	50	55	2.061
6(RM)	7	0.061	30	5	0.256	4.65	0.762	0.153	98	81	65	75	1.296
4(RM)	7	0.077	40	6	0.325	5.87	1.018	0.153	155	129	85	95	0.815
3(RM)	19	0.052	40	6	0.353	6.60	1.018	0.153	190	163	100	110	0.646
2(RM)	19	0.059	40	6	0.386	7.50	1.018	0.178	236	205	115	130	0.512
1(RM)	19	0.066	40	7	0.443	8.40	1.270	0.178	300	258	130	150	0.406
1/0(RM)	19	0.074	50	7	0.484	9.40	1.270	0.178	372	326	150	170	0.322
2/0(RM)	19	0.083	50	7	0.529	10.6	1.270	0.178	462	411	175	195	0.255
3/0(RM)	19	0.094	50	7	0.579	12.0	1.270	0.178	575	518	200	225	0.202
4/0(RM)	19	0.105	50	7	0.635	13.4	1.270	0.178	716	653	230	260	0.160



PVC Insulated Flexible Cable H05VV-F

- Rated voltage : 300/300V, 450/750V
- Conductor: BS 6360 Class 5, stranded, annealed copper wire
- Insulation: BS 7655 TI 1 PVC Compound
- Insulation Color: Red, yellow, blue, black, green(or upon request)
- Operating temperature: 0 to 70℃
- Min bending radius : 6 x overall insulated diameter
- Standard: BS 6500
- Code: H05VV-F

Nominal Cross Section (mm^2)	Number of Conductor and Conductor (Nos/mm)	Insulation Thickness (mm)	Sheath Thickness (mm)	Max.Overall Diameter of Cable (mm)	Mass of Wire (Kg/Km)
H05VV-F					
0.75	2×24/0.2	0.6	0.8	7.6	54.9
1.0	2×32/0.2	0.6	0.8	8.0	62.5
1.25	2×40/0.2	0.7	0.8	9.0	79.9
1.5	2×30/0.25	0.7	0.8	9.0	83.7
2.5	2×50/0.25	0.8	1.0	11.0	130.2
0.75	3×24/0.2	0.6	0.8	8.0	65.7
1.0	3×32/0.2	0.6	0.8	8.40	75.8
1.25	3×40/0.2	0.7	0.9	9.8	100.3
1.5	3×30/0.25	0.7	0.9	9.8	106.0
2.5	3×50/0.25	0.8	1.1	12.0	164.3
0.75	4×24/0.2	0.6	0.8	8.1	80.8
1.0	4×32/0.2	0.6	0.9	9.4	97.0
1.25	4×40/0.2	0.7	1.0	11.0	127.8
1.5	4×30/0.25	0.7	1.0	11.0	135.3
2.5	4×50/0.25	0.8	1.1	13.0	204.3
0.75	5×24/0.2	0.6	0.9	9.1	101.3
1.0	5×32/0.2	0.6	0.9	10.0	117.6
1.25	5×40/0.2	0.7	1.1	12.0	159.1
1.5	5×30/0.25	0.7	1.1	12.0	168.7
2.5	5×50/0.25	0.8	1.2	14.0	254.2

Split Concentric Cables to SABS, BS Standard

Plain annealed stranded copper phase conductor, XLPE insulated surrounded by a concentric layer of XLPE insulated copper neutral conductors. Annealed bare copper earth conductors, with 2 PE insulated 0.5mm Communication core PVC/HDPE (UV resist) outer sheath. Black. 600/1000 volts grade to BS 7870.

CCC Code	Conductor Size(mm^2)	Stranding (mm)	Weight (Kg/Km)	Overall Diameter (mm)	Gland Size(mm)
4 SPLITCON	4	7/0.85	206	9.6	20S
6 SPLITCON	6	7/1.04	281	11.4	20
10 SPLITCON	10	7/1.35	394	12.7	20
16 SPLITCON	16	7/1.70	583	14.6	25
25 SPLITCON	25	**7/2.14	843	18.7	32
35 SPLITCON	35	7/2.52	1300	23.0	40

Straight Concentric Cables to SABS, BS Standard

Plain annealed stranded copper phase conductor, PVC insulated surrounded by a concentric layer of plain annealed solid copper neutral/earth conductors in concentric layer, PVC outer sheath. Black. 600/1000 volts grade to BS 7870 & ESI 09-7. Combined neutral and earth (CNE).

CCC Code	Conductor Size(mm^2)	Stranding (mm)	Weight (Kg/Km)	Overall Diameter (mm)	Gland Size(mm)
4 SPLITCON	4	7/0.85	180	9.0	20S
6 SPLITCON	6	7/1.04	230	10.0	20S
16 SPLITCON	16	7/1.70	440	12.0	20
25 SPLITCON	25	7/2.14	600	15.0	25
35 SPLITCON	35	7/2.25	850	16.0	25

Steel Distribution Poles

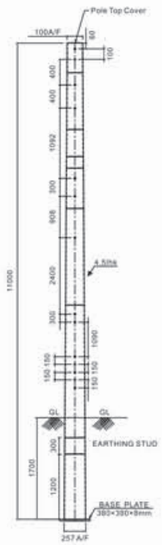
Octangle Steel poles for distribution line (Utility poles)

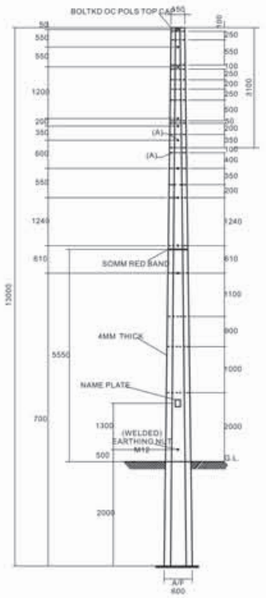
Table 1
Types, Dimenisons and Characteristics of Standard Octagonal Steel Poles

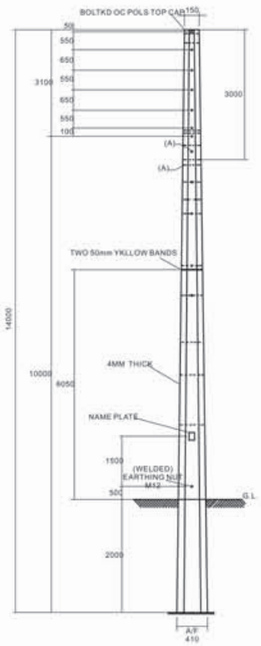
Pole Type	Brief Description	Top Across Flat Dia. (mm)	Bottom Across Flat Dia. (mm)	Shaft Thick-ness (mm)	Shaft Weight (kg)	Ultimate Load (kg)	Color Code (No.of Bands)
OC10	10m Steel Pole, Low Voltage	100	345	4	227	803	White (1)
OC13S	13m Steel Pole, Medium Voltage, Single Circuit	155	410	4	377	1530	Red (1)
OC14S	14m Steel Pole, Medium Voltage, Single Circuit	155	430	4	420	1564	Yellow (1)
OC14D	14m Steel Pole, Medium Voltage, Single Circuit	155	600	4	544	2431	Yellow (2)
OC15S/D	15m Steel Pole, Medium Voltage, Single & Double Circuit	155	450	4	466	1545	Green (1)
OC10SFS	10m Steel Pole, Self Support, Low voltage	230	590	5	527	4968	White (3)
OC13SFS	13m Steel Pole, Self Support, Single Circuit	230	750	7	1143	8781	Red (3)
OC14SFS	14m Steel Pole, Self Support, Single Circuit	230	790	7	1282	8874	Yellow (3)
OC15SFS	15m Steel Pole, Self Support, Single Circuit	230	830	7	1429	8898	Green (3)

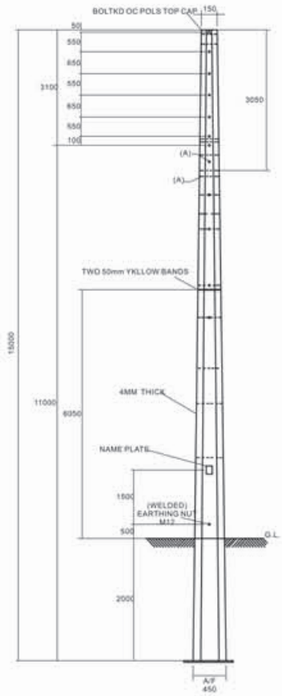
Round Steel poles for distribution line (Utility poles)

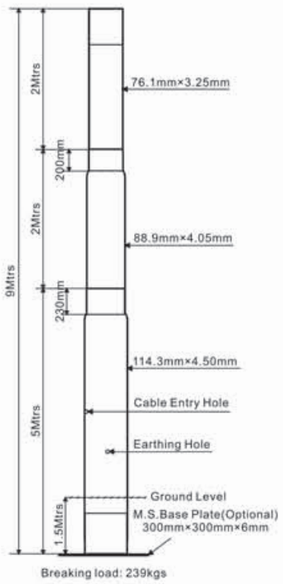
Product Code	Length (m)	Ultimate Tip load (kN)	Weight (kg)	Pole Diameter Top (mm)	Number Of Sections	Nominal In-Ground Depth (m)	Deflection At50% Of UL
UP095016	9.5	16	224	125	3	1.55	3.5
UP110016	11.0	16	279	125	3	1.70	3.9
UP125024	11.0	24	343	155	3	1.70	3.2
UP140016	12.5	16	338	125	3	1.85	4.2
UP140024	12.5	24	413	155	3	1.85	3.4
UP155016	14.0	16	429	135	3	2.00	4.4
UP155024	14.0	24	532	160	3	2.00	3.5
UP170016	15.5	16	496	135	3	2.15	4.6
UP170024	15.5	24	616	160	3	2.15	3.7
UP170016	17.0	16	568	135	3	2.30	4.8
UP170024	17.0	24	706	160	3	2.30	3.8



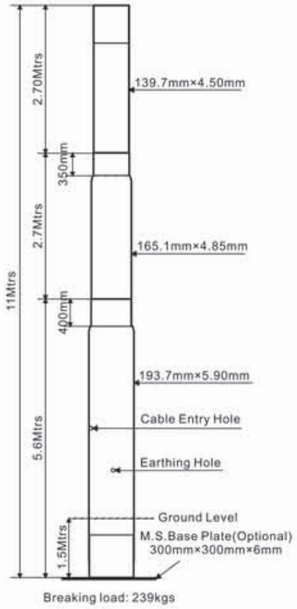




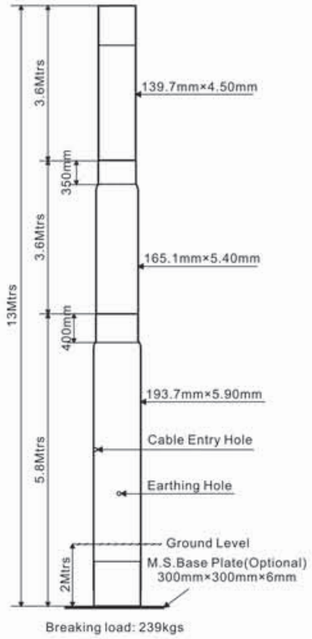




Breaking load: 239kgs



Breaking load: 239kgs



Breaking load: 239kgs

C. Transformer

Single Phase Oil Immersed Distribution Transformer

The single-phase pole-mounted type distribution transformer is especially suitable for economizing energy in town and countryside. It is an ideal energy-saving product in the lighting circuits of urban and rural residential areas and for power applications.

6~15kV

Rate Capacity	Voltage Ratio HV (kV)	Voltage Ratio LV (kV)	HV Tapping Range	Connection Vector	Load loss (w)	No load loss (w)	No load current (%)	Short circuit Impedance (%)
5	6 6.3 10 11 15	0.22 ~ 0.24	5%,0 2×2.5%,0	II6 II0	35	145	4.0	3.5
10					55	260	3.5	
15					65	365	3.2	
25					90	545	3.0	
37.5					120	740	2.6	
50					150	950	2.3	
63					180	1135	2.1	
75					190	1335	2.0	
100					240	1650	1.9	
125					285	1950	1.8	
150					350	2255	1.7	
167					375	2445	1.6	

30~36kV

Rate Capacity	Voltage Ratio HV (kV)	Voltage Ratio LV (kV)	HV Tapping Range	Connection Vector	Load loss (w)	No load loss (w)	No load current (%)	Short circuit Impedance (%)
5	30 33 35 36	0.22 ~ 0.24	5%,0 2×2.5%,0	II6 II0	40	200	4.0	4.0
10					60	360	3.5	
15					65	495	3.2	
25					85	735	3.0	
37.5					115	995	2.6	
50					145	1280	2.3	
63					165	1530	2.1	
75					170	1735	2.0	
100					215	2145	1.9	
125					255	2535	1.8	
150					315	2930	1.7	
167					335	3170	1.6	

Three Phase Oil Immersed Distribution Transformer

The three-phase oil-immersed transformer applies new type insulation structure and improves the ability of short-circuit resistance.

6-12kV

Rate Capacity	Voltage Ratio HV (kV)	Voltage Ratio LV (kV)	HV Tapping Range	Connection Vector	Load loss	No load loss	No load current	Short circuit Impedance
25	6 6.3 10 11	0.4 0.415 0.433	5%,0 2×2.5%,0	Dyn11 Yyn0	115	550	2.3	3.5~4.5
50					170	910	2.0	
100					290	1580	1.8	
125					340	1890	1.7	
160					400	2310	1.6	
200					480	2730	1.5	
250					560	3200	1.4	
315					670	3830	1.4	
400					800	4520	1.3	
500					960	5410	1.2	
630					1200	6200	1.1	
800					1400	7500	1.0	
1000					1700	10300	1.0	
1250					1950	12000	0.9	
1600					2400	14500	0.8	
2000					2840	17200	0.5	
2500					3350	20300	0.4	

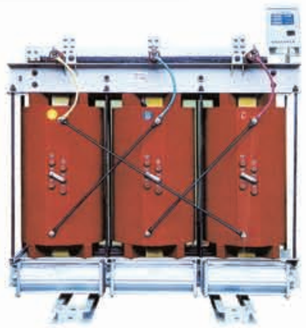
20~25kV

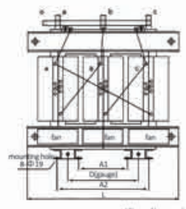
Rate Capacity	Voltage Ratio HV (kV)	Voltage Ratio LV (kV)	HV Tapping Range	Connection Vector	Load loss	No load loss	No load current	Short circuit Impedance
25	20 22 24 25	0.4 0.415 0.433	5%,0 2×2.5%,0	Dyn11 Yyn0	80	600	2.3	4.5~6.0
50					130	1010	2.0	
100					200	1730	1.6	
125					240	2080	1.5	
160					290	2540	1.4	
200					340	3000	1.3	
250					400	3520	1.2	
315					480	4210	1.1	
400					570	4970	1.0	
500					680	5940	1.0	
630					810	6820	0.9	
800					980	8250	0.8	
1000					1150	11330	0.7	
1250					1380	13200	0.7	
1600					1660	15950	0.6	
2000					1950	19140	0.6	
2500					2320	22220	0.5	

30~36kV

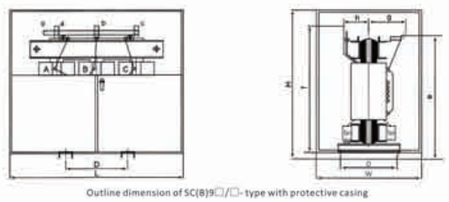
Rate Capacity	Voltage Ratio HV (kV)	Voltage Ratio LV (kV)	HV Tapping Range	Connection Vector	Load loss	No load loss	No load current	Short circuit Impedance
25	30 33 35 36	0.4 0.415 0.433	±5%,0 ±2×2.5%,0	Dyn11 Yyn0	125	755	2.3	4.5~6.5
50					210	1270	2.0	
100					290	2120	1.80	
125					340	2500	1.70	
160					360	2970	1.60	
200					430	3500	1.50	
250					510	4160	1.40	
315					610	5010	1.40	
400					730	6050	1.30	
500					860	7280	1.20	
630					1040	8280	1.10	
800					1230	9900	1.00	
1000					1440	12150	1.00	
1250					1760	14670	0.90	
1600					2120	17550	0.80	
2500					3150	23000	0.80	

Transformer





outline dimension of SC(B)9-□/□



Outline dimension of SC(B)9□/□- type with protective casing

Three Phase Dry Distribution Transformer

Dry-type distribution transformer whose winding is sealed up with epoxy resin insulation. Dry-type transformer is flame-retardant, explosion-proof, and non-pollution. It has advantages of low partial discharge, low noise, good heat dissipation and it can run over a long time with 140V rated load in the circumstance of cold wind. It applies intelligent thermal controller and has alarm functions when there is fault or the temperature is exceeds and it will switch off. It can be monitored and controlled by connecting it to the computer through its RS485 interface.

6~15kV

Rate Capacity	Voltage Ratio		HV Tapping Range	Connection Vector	Load loss (w)	No load loss (w)	No load current (%)	Short circuit Impedance (%)
	HV (kV)	LV (kV)						
25					660	220	2.0	
50					930	310	1.5	
100					1460	450	1.1	
125					1710	530	1.0	
160	6.0				1970	610	0.9	
200	6.3				2340	700	0.9	4.0
250		0.4	±5%,0	Dyn11	2550	810	0.9	
315					3210	990	0.8	
400	10	0.415			3690	1100	0.8	
500	11	0.433	±2×2.5%,0	Yyn0	4520	1310	0.7	
630	12				5510	1460	0.6	
800	15				6430	1710	0.5	
1000					7520	1990	0.5	
1250					8960	2350	0.4	6.0
1600					13360	2760	0.4	
2500					15880	3400	0.3	

30~36kV

Rate Capacity	Voltage Ratio		HV Tapping Range	Connection Vector	Load loss (w)	No load loss (w)	No load current (%)	Short circuit Impedance (%)
	HV (kV)	LV (kV)						
50					1310	500	2.5	
100					1920	700	2.2	
160					2560	880	1.6	
200					3060	980	1.6	
250					3490	1100	1.4	
315	30	0.4	±5%,0	Dyn11	4150	1310	1.4	
400	33	0.415			4980	1530	1.3	
500	35	0.433	±2×2.5%,0	Yyn0	6110	1800	1.3	6.0
630	36				7070	2070	1.1	
800					8380	2400	1.1	
1000					9610	2700	0.9	
1250					11700	3150	0.8	
1600					14240	3600	0.8	
2500					20090	4950	0.8	

GGD(NGG1)Low-Voltage Switchgear

Low-voltage distribution switchgear
Application

The switchgear serves in the distribution system of rated voltage of 380V and rated current of up to 3150A and AC 50Hz to transform, distribute and control power for motive power equipment, lighting equipment and distribution equipment. It is mainly used in such places as power plant, substation and industrial & mineral enterprise.

Main features

- The cabinet body adopts the general type. The cabinet components are designed according to the customer request.
- Different quantity of heat dissipation holes are set in the lower and upper sides of the cabinet body.
- The surface of the cabinet body is processed with high-voltage static plastic power,featuring high adhesion force and good sense of reality. It can creates a comfortable vision.

Main technical parameter

Rated voltage	380V
Rated current	400A~3150A
Rated frequency	50Hz
Rated short circuit breaking current	15kA, 30kA, 50kA

GGK、GCL(NGC1) Series Low-Voltage Switchgear

Draw-out type
Application

The switchgear serves in the power system of three-phase three-wire and three-phase four-wire to function as power receiving and feed, reactive power compensation, power metanng, lighting and centralized control of motor in power generation plant, substation, industrial & mineral enterprise and tall building, etc.

Main features

- The basic frame of GCK and GCL is of packaged design. All structure parts of frame is processed by zinc-plating and plastic-blasting.
- The three compartments for bus, functional unit and cable, which can avoid the spread of accident and make live repair convenient.
- The door of compartment realizes the mechanical interlock through the operating mechanism of main switch and the drawer.

Main technical parameter

Rated voltage	AC 380V,660V
Rated insulation voltage	660V,1000V
Rated current	Horizontal bus:≤3150A Vertical bus: 630A,800A,1200A
Rated frequency	50Hz
Protection grade	IP30,IP40

Switch Gear & Meter

GCS(NGC2)Low-Voltage Switchgear

Darw-Out Type Switchgear
Application

The switchgear's functions include distribution, reactive power compensation, centralized control of motor in power plant, petrochemistry, textile and all building or in the occasions of high automation.

Main features

- The compartments for us, function and cable are separated strictly and can independently, operate.
- The modulus of layer height of withdrawable part is of 160mm.
- The switch, gear is designed according to the system of three-phase five-wire and three-phase four-wire.

Main technical parameter

Rated voltage	AC380V(400),(660V)
Rated insulation voltage	660V(1000V)
Rated current	Horizontal bus:≤4000A Vertical bus(mCC):1000A
Rated frequency	50Hz
Protection grade	IP30,IP40

GG-1A(F)High-Voltage AC Switchgear

Stationary indoor AC metal-enclosed switchgear
Application

The GG-1A(F) stationary high-voltage switchgear serves in the three phase AC single bus and single bus system with by-pass of rated voltage of 3-10kV and rated frequency of 50Hz to receive and distribute power.

Main features

- The main switch inside the switchgear can be equipped. with the vacuum circuit breaker of oil-minimum circuit breaker according to the request.
- Compared with the original one, it is equipped with mis-operation prevention interlock device and perfect earthing system.

Main technical parameter

Rated voltage	3.6kV, 7.2kV, 12kV
Rated current	630A~1000A
Rated frequency	50Hz
Rated sort time withstand current	Vacuum circuit breaker:20kA,25kA , 31.5kA,Oil-minimum circuit breaker: 16kA, 20kA, 31.5kA. 40kA

KYN1-12(Z)High-Voltage AC Switchgear

Metal enlosed movable switchgear
Application

The switchgear services for single bus and single bus section al system of rated voltage of 3-10kV and rated current of 63 30A-3150A three- phase AC 50Hz to receive and distribute electrical power in power plant. substation and industrial & mineral enterprise.

Main features

- The insolating moving door of primary contact featuring high security can automatically open or close when the trolley moves between the working position and in-and-out position, assuring the personal security during repair when it is working.
- The enough electric insulation strength assures that the air gap between phases and between phase and ground inside the cubicle is above 125mm.
- The long-life vacuum are chute and operating mechanism greatly reduce the repair work.

Main technical parameter

Rated voltage	3.6kV,7.2kV,12kV
Rated current	630A,1000A,1250A,1600A
Rated frequency	2000A,2500A,3150A 50Hz
Rated short time withstand current	16kv,20kV,25kV,31.5kV,40kV
Protection grade	IP2X

HXGN15A-12(F),XGN15-12(F·R) High-Voltage AC Switchgear

Box-type stationary indoor metal-enclosed switchgear
Application

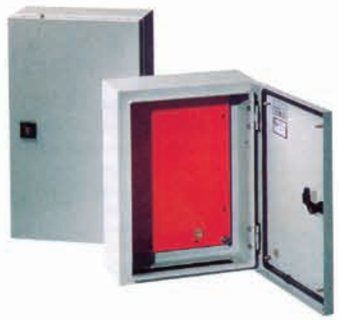
The switchgear serves in the ring-network or radiation supply system of 12kV rated voltage, 630A rated current, especially in the pre-assembled substation to control and protect power system.

Main features

- The cabinet body is made of the aluminum-zinc-clad steel that can protect the operator once the inner fault occurs.
- The bus enclosed with insulation layer is connected to the terminals of load switch. The three-phase bus arranged in longitudinal direction, which makes the free expansion of switchgear and the change of layout available.

Main technical parameter

Rated voltage	2kV
Rated current	Main bus:630A
Rated frequency	Fuse:125A(XGN15-12(F.R))
Rated short time withstand current	50Hz 16kV,20kV,31.5kV,40V
Protection grade	IP2X



ST Boxes 150 Depth

CONSTRUCTION
- Body and door manufactured in 1.5 mm sheet steel.
- Flat mounting plate in 2.5mm sheet steel.

FINISH

DKL standard cycle thermosetting epoxy polyester powder coating.
- Case and door RAL 7032 textured finish.
- Mounting plate in RAL 2004 smooth finish.

PROTECTION DEGREE
- IP 65 to En60 529 NEMA4.

PACKING
- Boxes are complete with:
- 2 zinc galvanized rails to be fixed on the door.
- Mounting plate.
- Gland plate and gasket.
- Package with hardware for earth connection and screws to mount all components.
- Locking system with 3 mm double bar key.

ST Boxes 300 Depth

CONSTRUCTION
- Brady and door manufacturer in 1.5 mm sheet steel.
- Door in 1.5mm sheet steel up to St 6830, from ST6-1030 to ST6 1230 in 2mm.
- Mounting plate with folded edge in 2.5mm sheet steel (flat for ST6 430 and ST6 630).

FINISH

DKL standard cycle thermosetting epoxy polyester powder coating.
- Body and door RAL 7032 textured finish.
- Mounting plate in RAL 2004 smooth finish.

PROTECTION DEGREE
- IP 65 to En60 529 NEMA 4.

PACKING

Boxes are complete with:
- 2 zinc galvanized rails to be fixed on the door.
- Mounting plate.
- Gland plate and gasket.
- Package with hardware for earth connection and screws to
- mount all components.
- Locking system with 3mm double bar key.

ST Double Door Box

CONSTRUCTION
- Body and door manufactured in 1.5 mm sheet steel.
- Mounting plate with folded edge in 2.5mm sheet steel.

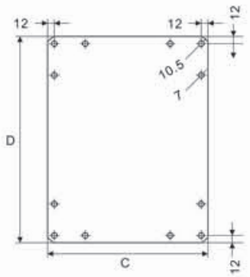
FINISH

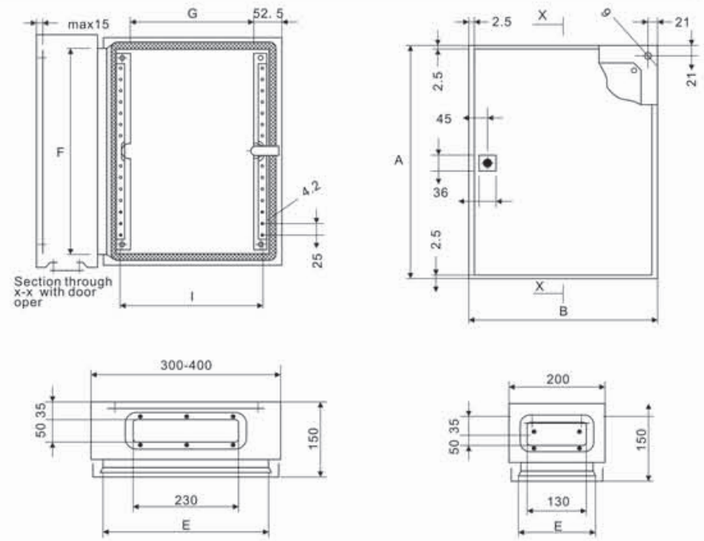
DKL standard cycle thermosetting epoxy polyester powder coating.
- Body and door RAL 7032 textured finish.
- Mounting plate in RAL 2004 smooth finish.

PROTECTION DEGREE
- IP 55 to En 60 529 NEMA 12.

PACKING
- Boxes are complete with:
- 4 zinc galvanized rails to be fixed on the door.
- Mounting plate.
- gland plates with gasket.
- Package with hardware for earth connection and screws to mount all components.
- Locking system with 3 mm double bar key.

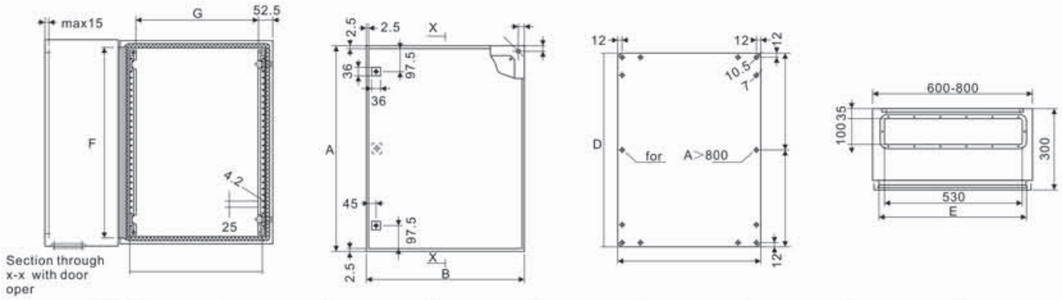
ST Boxes 150 Deep Dimensions





CODE		B	A	C	D	E	F	G	I
MOD.	ART.								
ST2	315	200	300	150	250	154	254	90	*
ST3	315	300	300	250	250	254	254	190	226
ST3	415	300	400	250	350	254	354	190	226
ST3	515	300	500	250	450	254	454	190	226
ST4	315	400	300	250	250	254	254	290	326

ST Boxes 150 Deep Dimensions



CODE		B	A	C	D	E	F	G	I
MOD.	ART.								
ST6	430	600	400	550	350	554	354	490	526
ST6	630	600	600	550	550	554	554	490	526
ST6	830	600	800	550	750	554	754	490	526
ST6	1030	600	1000	550	950	554	954	490	526
ST6	1230	600	1200	550	1150	554	1154	490	526
ST8	830	800	800	750	950	754	754	690	726
ST8	1030	800	1000	750	950	754	954	690	726
ST8	1230	800	1200	750	1150	754	1154	690	726

Switch Gear & Meter

METER

HLDO1 Single-Phase

HLD03 Single-Phase

HLD06 Single-Stator

LD68 Single-Phase

HLO1 Series Poly-Phase

D58 Series Poly-Phase

DDS28 Series Single-Phase

DDS1088

DDS28u

DDSD285

DDSY283

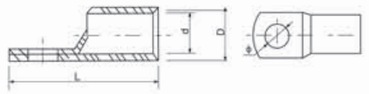
DTS541

DTSD545

DTSD546

DTSY541 Threa-Phase

SC(JGK)



Application

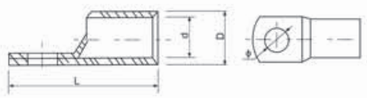
There products are suitable for the connection of copper conductors(section 1.5-1000mm2) in power cable with electronic equipment they are made of with higher 99.9 percent pure cooper tube T2 and coated with tin. Working temperature -55℃~150℃.

SC(JGK) Cable Lug

Basic Data

Type	Dimensions(mm)				Weight (kg)
	φ	D	d	L	
SC(JGK)-1.5	4.2, 5.2	3.5	1.8	18	0.0009
SC(JGK)-2.5	4.2, 5.2, 6.2	4	2.5	19	0.0011
SC(JGK)-4	5.2, 6.2	4.8	3.1	21	0.0015
SC(JGK)-6	5.2, 6.2	5.5	3.8	24	0.0022
SC(JGK)-10	6.2, 8.2	6.8	4.8	26	0.0028
SC(JGK)-16	6.2, 8.2	7.5	5.5	30	0.0041
SC(JGK)-25	6.2, 8.2, 10.5, 12.5	9	7	34	0.0064
SC(JGK)-35	8.2, 10.5, 12.5	10.5	8.2	38	0.0097
SC(JGK)-50	8.2, 10.5, 12.5	12.5	9.8	45	0.0153
SC(JGK)-70	10.5, 12.5	14.5	11.5	50	0.0240
SC(JGK)-95	12.5, 16.5	17.5	13.8	55.5	0.0400
SC(JGK)-120	12.5, 16.5	19.5	15.5	63	0.0558
SC(JGK)-150	16.5	21	16.5	71	0.0762
SC(JGK)-185	16.5	23.5	18.8	78	0.0980
SC(JGK)-240	16.5, 20.5	26.5	21	92	0.1510
SC(JGK)-300	16.5, 20.5	30	24	102	0.2530
SC(JGK)-400	16.5, 20.5	34	26.5	113	0.3020
SC(JGK)-500	16.5, 20.5	38	30	123	0.4200
SC(JGK)-600	20.5	45	35	135	0.6560
SC(JGK)-800	22.5	50	39	170	
SC(JGK)-1000	22.5	56	40	200	

SC(JGA)



SC(JGA) Cable Lug

Basic Data

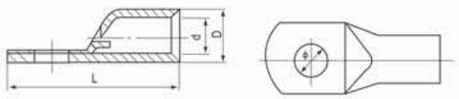
Type	Dimensions(mm)			
	φ	D	d	L
SC(JGA)-1.5	4.2, 5.2	3.5	2.9	18
SC(JGA)-2.5	4.2, 5.2, 6.2	4	2.8	19
SC(JGA)-4	5.2, 6.2	4.8	3.1	20
SC(JGA)-6	5.2, 6.2, 8.2	5.5	3.8	23
SC(JGA)-10	6.2, 8.2	6.8	4.8	24.5
SC(JGA)-16	6.2, 8.2, 10.5	7.5	5.5	29.5
SC(JGA)-25	6.2, 8.2, 10.5	9	7	32.5
SC(JGA)-35	6.2, 8.2, 10.5, 12.5	10.5	8.2	37.5
SC(JGA)-50	8.2, 10.5, 12.5	12.5	9.8	44.5
SC(JGA)-70	8.2, 10.5, 12.5	14.5	11.5	48
SC(JGA)-95	10.5, 12.5	17.5	13.8	54
SC(JGA)-120	12.5, 16.5	19.5	15.5	61
SC(JGA)-150	12.5, 16.5	21	16.5	68
SC(JGA)-185	16.5	23.5	18.8	76
SC(JGA)-240	16.5	26	20	88.5
SC(JGA)-300	16.5, 20.5	30	24	99
SC(JGA)-400	16.5, 20.5	34	27	110.5
SC(JGA)-500	16.5, 20.5	38	30	121
SC(JGA)-630	20.5	45	35	135.5
SC(JGA)-800	22.5	50	39	170
SC(JGA)-1000	22.5	56	44	200

Power Line Fittings

Application

There products are suitable for the connection of copper conductors(section 1.5-1000mm2) in power cable with electronic equipment they are made of with higher 99.9 percent pure cooper tube T2 and coated with tin. Working temperature -55℃~150℃.

SC(JGY)

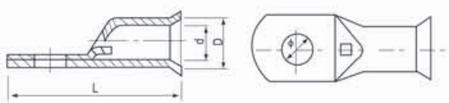


SC(JGY) Cable Lug

Basic Data

Type	Dimensions(mm)			
	ϕ	D	d	L
SC(JGY)-1.5	4.2, 5.2	3.5	2.3	18
SC(JGY)-2.5	4.2, 5.2, 6.2	4	2.8	19
SC(JGY)-4	5.2, 6.2	4.8	3.2	21
SC(JGY)-6	5.2, 6.2, 8.2	5.5	3.8	26
SC(JGY)-10	6.2, 8.2	6.8	4.8	27.5
SC(JGY)-16	6.2, 8.2, 10.5	7.5	5.5	33.5
SC(JGY)-25	6.2, 8.2, 10.5	9	7	37
SC(JGY)-35	6.2, 8.2, 10.5, 12.5	10.5	8.2	39
SC(JGY)-50	8.2, 10.5, 12.5	12.5	9.8	46
SC(JGY)-70	8.2, 10.5, 12.5	14.5	11.5	51
SC(JGY)-95	10.5, 12.5	17.5	13.8	56
SC(JGY)-120	12.5, 16.5	19.5	15.5	67
SC(JGY)-150	12.5, 16.5	21	16.5	71
SC(JGY)-185	16.5	23.5	18.8	78
SC(JGY)-240	16.5	26	21	96
SC(JGY)-300	16.5, 20.5	30	24	102
SC(JGY)-400	16.5, 20.5	34	27	113
SC(JGY)-500	16.5, 20.5	38	30	123
SC(JGY)-630	20.5	45	35	137
SC(JGY)-800	22.5	50	39	170
SC(JGY)-1000	22.5	56	44	200

SC(JGB)



SC(JGB) Cable Lug

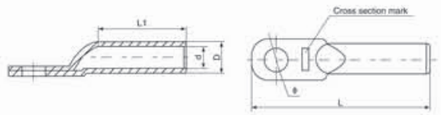
Basic Data

Type	Dimensions(mm)			
	ϕ	D	d	L
SC(JGB)-1.5	4.2, 5.2	3.5	2.3	18
SC(JGB)-2.5	4.2, 5.2, 6.2	4	2.8	19
SC(JGB)-4	5.2, 6.2	4.8	3.1	21
SC(JGB)-6	5.2, 6.2, 8.2	5.5	3.8	24
SC(JGB)-10	6.2, 8.2	6.8	4.8	25.5
SC(JGB)-16	6.2, 8.2, 10.5	7.5	5.5	31
SC(JGB)-25	6.2, 8.2, 10.5	9	7	34
SC(JGB)-35	6.2, 8.2, 10.5, 12.5	10.5	8.2	38
SC(JGB)-50	8.2, 10.5, 12.5	12.5	9.8	45.5
SC(JGB)-70	8.2, 10.5, 12.5	14.5	11.5	50
SC(JGB)-95	10.5, 12.5	17.5	13.8	56
SC(JGB)-120	12.5, 16.5	19.5	15.5	63
SC(JGB)-150	12.5, 16.5	21	16.5	71
SC(JGB)-185	16.5	23.5	18.8	78
SC(JGB)-240	16.5	26	21	92
SC(JGB)-300	16.5, 20.5	30	24	102
SC(JGB)-400	16.5, 20.5	34	27	113
SC(JGB)-500	16.5, 20.5	38	30	123
SC(JGB)-630	20.5	45	35	135
SC(JGB)-800	22.5	50	39	170
SC(JGB)-1000	22.5	56	44	200

Application

These products are appliable to the connection of wires in deistrbution equipment power supply cable with electronic apparatus, it is made of (T2) copper tube by die cast and coated tin.

DT(G)

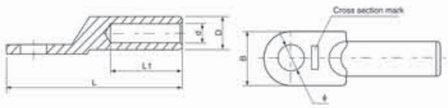


Copper Lug (Pipe Stock)

Basic Data

Type	Dimensions(mm)					Weight (kg)
	ϕ	D	d	L	L1	
DT(G)-10	6.5	8	5	51	28	0.01
DT(G)-16	6.5	9	6	57	32	0.02
DT(G)-25	8.5	10	7	61	32	0.02
DT(G)-35	8.5	11	8.5	66	36	0.02
DT(G)-50	8.5	13	10	72	38	0.03
DT(G)-70	10.5	15	12	80	43	0.05
DT(G)-95	10.5	18	14	85	44	0.07
DT(G)-120	12.5	20	15	97	51	0.10
DT(G)-150	12.5	22	17	102	53	0.13
DT(G)-185	14.5	25	19	113	54	0.20
DT(G)-240	16.5	27	21	118	56	0.22
DT(G)-300	16.5	30	24	128	62	0.28
DT(G)-400	21	34	26.5	150	65	0.42
DT(G)-500	21	38	30	170	70	0.64
DT(G)-630	21	45	35	200	80	0.94

DT



Copper Lug (Oil Seal)

Basic Data

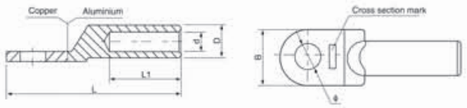
Type	Dimensions(mm)						Weight (kg)
	ϕ	D	d	L	L1	B	
DT-10	8.5	9	5.5	67	34	16	0.02
DT-16	8.5	10	6	67	34	16	0.03
DT-25	8.5	11	7	70	34	18	0.03
DT-35	10.5	12	8.5	79	38	20	0.04
DT-50	10.5	14	9.5	87	43	23	0.06
DT-70	12.5	16	11.5	95	45	26	0.08
DT-95	12.5	18	13.5	105	50	28	0.10
DT-120	14.5	20	15	112	53	30	0.14
DT-150	14.5	22	16.5	118	56	34	0.18
DT-185	16.5	25	18.5	125	57	37	0.25
DT-240	16.5	27	21	136	61	40	0.30
DT-300	21	30	23	160	75	45	0.45
DT-400	21	34	26	165	77	50	0.58
DT-500	-	38	29	190	80	60	0.98
DT-630	-	45	34	220	90	80	1.77
DT-800	-	50	38	260	105	100	2.70

Power Line Fittings

Application

DTL series of copper-aluminum wiring terminals are suitable for transition connection of the circular aluminum wires, hemicycle-sector aluminium wires, power supply cables in the distribution equipment and cooper terminals of the electrical equipment. The material of aluminium and copper is that of L3 and T2 respectively. The technology of friction welding is wonderfully adopted. There fore they have disinguishing features of strong weld intensity, good nature in electrifcation, resistant galvanic corrosion and long service life.

DTL-1

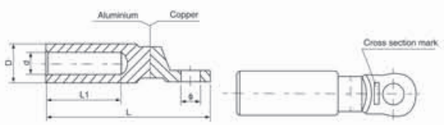


DTL-1 Bimetallic-lug

Basic Data

Type	Dimensions(mm)						Weight (kg)
	ϕ	D	d	L	L1	B	
DTL-1-16	8.5	10	6	70	36	16	0.02
DTL-1-25	8.5	12	7	75	37	18	0.02
DTL-1-35	10.5	14	8.5	85	43	20	0.03
DTL-1-50	10.5	16	9.5	90	44	23	0.04
DTL-1-70	12.5	18	11.5	102	50	26	0.05
DTL-1-95	12.5	21	13.5	112	55	28	0.07
DTL-1-120	14.5	23	15	120	58	30	0.08
DTL-1-150	14.5	25	16.5	126	60	34	0.12
DTL-1-185	16.5	27	18.5	133	61	37	0.14
DTL-1-240	16.5	30	21	140	63	40	0.19
DTL-1-300	21	34	23	165	70	45	0.29
DTL-1-400	21	38	26.5	170	72	50	0.30

DTL-2



DTL-2 Bimetallic-lug

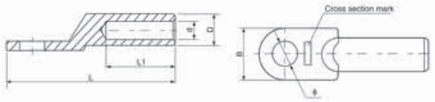
Basic Data

Type	Dimensions(mm)					Weight (kg)
	ϕ	D	d	L	L1	
DTL-2-16	13	16	6	90	42	0.0560
DTL-2-25	13	16	7	90	42	0.0540
DTL-2-35	13	16	8.5	90	42	0.0500
DTL-2-50	13	20	9.6	90	43	0.0670
DTL-2-70	13	20	11.5	90	43	0.0650
DTL-2-95	13	20	13.5	90	43	0.0600
DTL-2-120	13	25	15	115	60	0.1230
DTL-2-150	13	25	16.6	115	60	0.1250
DTL-2-185	13	32	18.5	122	60	0.2280
DTL-2-240	13	32	21	122	60	0.2170
DTL-2-300	13	34	23	125	62	0.2770
DTL-2-300D	13	34	23	125	62	
DTL-2-400	13	38	26	159	70	0.4260
DTL-2-400D	19	40	26	159	70	
DTL-2-500	19	47	29	167	75	0.5600
DTL-2-630	21	54	34	200	80	0.8500

Application

Connecting terminals are suitable for the conjunction of wires, cables in the distribution equipment and the electrical equipment. DL series of aluminum connecting terminals are pressed with aluminium bar (L3).

DL



Aluminium Lug

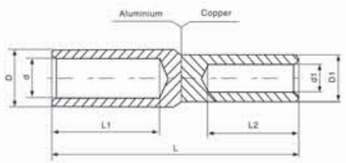
Basic Data

Type	Dimensions(mm)						Weight (kg)
	ϕ	D	d	L	L1	B	
DL-16	8.5	10	6	70	36	16	0.01
DL-25	8.5	12	7	75	37	18	0.01
DL-35	10.5	14	8.5	85	43	20	0.02
DL-50	10.5	16	9.5	90	44	23	0.03
DL-70	12.5	18	11.5	102	50	26	0.04
DL-95	12.5	21	13.5	112	55	28	0.06
DL-120	14.5	23	15	120	58	30	0.07
DL-150	14.5	25	16.5	126	60	34	0.09
DL-185	16.5	27	18.5	133	61	37	0.10
DL-240	16.5	30	21	140	63	40	0.14
DL-300	21	34	23	165	70	45	0.21
DL-400	21	38	26.5	170	72	50	0.21
DL-500	-	42	29.5	190	80	60	0.42
DL-630	-	54	34	225	87	80	0.84
DL-800	-	60	38	270	105	100	1.20

Application

These products are applicable to connect the circular wire and hemicycle-sertor wire in distribution equipment or power supply cables. GTL series hole-passing connecting tube is made of frition-welding craft, both top quality.

GTL



GTL Copper-aluminium Connecting Pipe

Basic Data

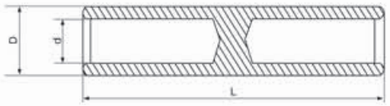
Type	Dimensions(mm)							Weight (kg)
	d1	D1	d	D	L1	L2	L	
GTL-16	5	9	6	10	35	28	75	0.02
GTL-25	6.5	10	7	12	39	31	82	0.03
GTL-35	7	11	8.5	14	44	34	90	0.04
GTL-50	8.5	13	9.5	16	45	38	95	0.06
GTL-70	9.5	15	11.5	18	52	40	105	0.08
GTL-95	11.5	17	13.5	21	51	43	110	0.11
GTL-120	13.5	19	15	23	52	43	112	0.12
GTL-150	15	21	16.5	25	54	44	118	0.16
GTL-185	16.5	23	18.5	27	58	47	125	0.20
GTL-240	18.5	26	21	30	60	48	130	0.25
GTL-300	21	29	23	34	65	55	145	0.35
GTL-400	23	30	26.5	38	70	60	155	0.36
GTL-500	27	34	29.5	42	75	65	165	0.57
GTL-630	29	38	34	54	80	70	180	0.70

Power Line Fittings

Application

These products are applicable to connect the circular wire and hemicycle-sertor wire in distribution equipment or power supply cables. GL series hole-passing connection tube is made of L3 aluminium tube, both top quality.

GL



GL Aluminium Connecting Pipe

Basic Data

Type	Dimensions(mm)			Weight (kg)
	D	d	L	
GL-10	9	4.5	65	0.01
GL-16	10	5.5	70	0.01
GL-25	12	7	75	0.02
GL-35	14	8.5	85	0.02
GL-50	16	9.5	95	0.03
GL-70	18	11.5	105	0.04
GL-95	21	13.5	110	0.06
GL-120	23	15	115	0.08
GL-150	25	16.5	120	0.09
GL-185	27	18.5	125	0.10
GL-240	30	21	130	0.13
GL-300	34	23	140	0.19
GL-400	38	27	150	0.25
GL-500	42	29.5	160	0.28
GL-630	54	34.5	170	0.33

GL-G

Aluminium Rconnecting Pipe (passing Though)

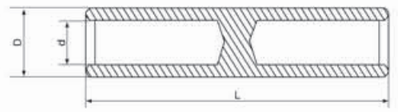
Basic Data

Type	Dimensions(mm)			Weight (kg)
	d	D	L	
GL-G-16	5.5	10	65	0.010
GL-G-25	7	12	70	0.015
GL-G-35	8.5	14	75	0.020
GL-G-50	10	16	80	0.027
GL-G-70	11.5	18	90	0.037
GL-G-95	13.5	21	95	0.053
GL-G-120	15	23	100	0.064
GL-G-150	16.5	25	105	0.080
GL-G-185	18.5	27	110	0.122
GL-G-240	21	30	120	0.118
GL-G-300	23	34	130	0.197
GL-G-400	26.5	38	140	0.230

Application

These products are applicable to connect the circular wire and hemicycle-sector GT series hole-passing connection tube is made of T2 copper tube.

GT

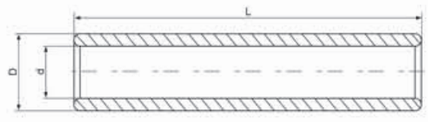


GT Copper Connecting Pipe

Basic Data

Type	Dimensions(mm)			Weight (kg)
	D	d	L	
GT-16	9	6	65	0.02
GT-25	10	7	70	0.02
GT-35	11	8.5	75	0.03
GT-50	13	9.5	80	0.04
GT-70	15	11.5	90	0.06
GT-95	18	13.5	95	0.08
GT-120	20	15	100	0.13
GT-150	22	16.5	105	0.15
GT-185	25	18.5	110	0.21
GT-240	27	21	120	0.25
GT-300	32	23	130	0.35
GT-400	34	26.5	140	0.47
GT-500	38	29	155	0.72

GT-G



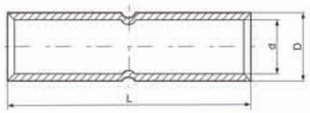
Copper Connecting Pipe (passing Though)

Basic Data

Type	Dimensions(mm)			Weight (kg)
	d	D	L	
GT-G-16	6	9	56	0.018
GT-G-25	7	10	60	0.021
GT-G-35	8.5	11	64	0.027
GT-G-50	10	13	72	0.036
GT-G-70	11	15	78	0.057
GT-G-95	13	18	85	0.092
GT-G-120	15	20	90	0.110
GT-G-150	17	23	94	0.158
GT-G-185	19	25	100	0.210
GT-G-240	21	27	110	0.223
GT-G-300	23	30	120	0.310
GT-G-400	27	34	130	0.472

Power Line Fittings

GTY-1



GTY-2

Application

These products are applicable for the connection of the circular wire. hemicyde wire with power supply cable in distribution equipment. They are made of higher 99.9 percent pure T2 copper tube, and coated tin.

GTY Copper Connecting Pipe

Basic Data

Type	Dimensions(mm)			Weight (kg)
	D	d	L	
GTY-1.5	3.5	1.8	20	0.001
GTY-2.5	4	2.5	20	0.001
GTY-4	4.8	3.1	20	0.001
GTY-6	5.5	3.8	25	0.002
GTY-10	6.8	4.8	30	0.004
GTY-16	7.5	5.5	35	0.006
GTY-25	9	7	40	0.008
GTY-35	10.5	8.2	45	0.012
GTY-50	12.5	9.8	50	0.019
GTY-70	14.5	11.5	55	0.027
GTY-95	17.5	13.8	60	0.047
GTY-120	19.5	15	65	0.060
GTY-150	21	16.5	70	0.078
GTY-185	23.5	18.5	75	0.101
GTY-240	26.5	21	80	0.137
GTY-300	30	24	85	0.233
GTY-400	34	26.5	90	0.261
GTY-500	38	30	100	0.300
GTY-600	45	35	110	0.360
GTY-800	50	39	150	0.400
GTY-1000	56	44	170	0.455

Application

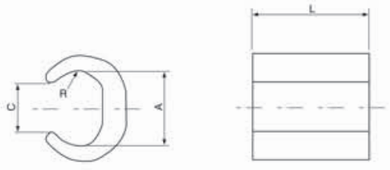
It is suitable for the connection of copper splicing wire, made of C-shaped copper material.

C-Shape Clamp

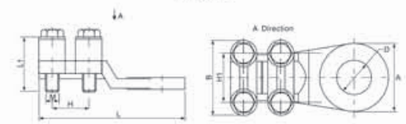
Basic Data

Type	Dimensions(mm)				Weight (kg)
	A	L	C	R	
CCT-10	7	9.5	4	1.9	0.005
CCT-16	7.8	11.8	5	2.3	0.005
CCT-20	8.6	12.8	5.5	2.6	0.006
CCT-26	10	15	6.5	2.6	0.008
CCT-44	13.5	19	8.5	4.1	0.022
CCT-60	15.5	22	10	4.7	0.026
CCT-76	17.2	22	12	6.1	0.037
CCT-98	21	25	13	6.2	0.057
CCT-122	22.5	26	14	7.0	0.067
CCT-154	25.7	28	17	8.7	0.074
CCT-190	28.5	35	17.5	8.9	0.011
CCT-240	30	40	19	9.9	0.151
CCT-288	34.5	45	22.5	11.3	0.194
CCT-365	37.5	50	25	13.1	0.231
CCT-450	42.5	60	28	14.3	0.464
CCT-560	46	65	31	16	0.577
CCT-700	51.5	70	34	18	0.746

CCT



WCJB



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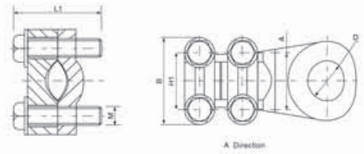
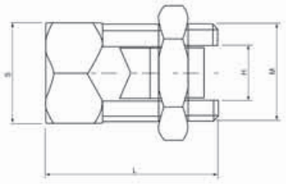


T/J



Application

It is suitable for transition connection of the electric appliances of indoors distributing device and kinds of wire cables. It adopts T2 red copper, the surface adopt nickle plating.

WCJB Imported Copper Jointing Clamp

Basic Data

Type	Specification	Dimensions(mm)								Weight (kg)
		L	L1	B	A	H	H1	D	M	
WCJB-1	16-25	39.5	15	25	16.5	13	13	8.5	5	0.022
WCJB-2	16-25	45	15	22	18	13	13	8.5	5	0.022
WCJB-3	25-35	52.5	15	24.5	21	13.5	13.5	10.5	5	0.055
WCJB-4	50-70	61	20	31	23	18.5	18.5	10.5	6	0.091
WCJB-5	70-95	69	20	35	23.5	20	20	10.5	6	0.099
WCJB-6	95-120	74	25	42	28.5	22.5	22.5	13.5	8	0.110
WCJB-7	120-150	73.5	25	41	27	24	24	13.5	8	0.150
WCJB-8	150-185	76	25	42	28	24.5	24.5	13.5	8	0.156
WCJB-9	185-240	80	25	44	30	25	25	13.5	8	0.292

Application

It is suibable for transitional connection of electronic apparatus with wire and cable in indoor distribution equipment, made of brass by die-cast and coated nickle.

WCJC Imported Copper Jointing Clamp

Basic Data

Type	Specification	Dimensions(mm)				Weight (kg)
		L	A	B	D	
WCJC-1	16	37	10	21	7.5	0.022
WCJC-2	25-35	48	13	22	11	0.055
WCJC-3	50-70	60	17	31	11	0.091
WCJC-4	120-150	70	23	35	15	0.150
WCJC-5	210-250	90	30	46	17	0.156
WCJC-6	300-500	125	35	62	23	0.292

Application

It is suitable for the sequence and transportation of all kinds of conductor in electric netting, made of copper.

T/J Imported Copper Split Bolt

Basic Data

Type	Applicable conductor (mm)	Dimensions(mm)				Weight (kg)
		L	M	H	S	
T/J-16	16	26	10×1	5.3	13.9	0.023
T/J-25	25	29	14×1.5	7	18.5	0.034
T/J-35	35	34	18×1.5	8	20.8	0.057
T/J-50-70	50-70	42	24×2	12	27.7	0.108
T/J-90-120	90-120	50	24×2	14.5	30	0.142
T/J-150-185	150-180	63	24×2	18	34.6	0.250
T/J-200-240	200-240	72	31×2.5	20	32	0.301

Power Line Fittings


CAPG-A


CAPG-B


CAPG-C


CAPG-D

CAPG Series Copper-Aluminium Aluminium Combined Calmps

Basic Data

Type	Size	Sort
CAPG-A1	Cu 6-50^2 Al 16-70/12^2	Single bolt
CAPG-A2	Cu 10-95^2 Al 25-150^2	Single bolt
CAPG-B1	Cu 6-50^2 Al 16-70^2	Double bolt
CAPG-B2	Cu 10-95^2 Al 25-150^2	Double bolt
CAPG-C1	Cu 16-120 Al 16-120	Double bolt
CAPG-C2	Cu 50-240 Al 50-240	Double bolt
CAPG-D1	Cu 10-95^2 Al 25-150^2	Tri- bolt
CAPG-D2	Cu 35-240^2 Al 35-240^2	Tri- bolt


APG

APG-Type Aluminium PG Clamps

Basic Data

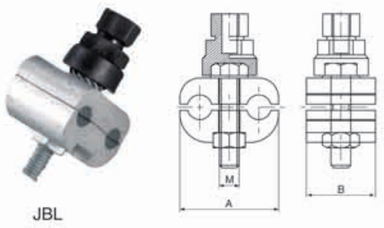
Type	Size	Sort
APG-A	Al 16-70^2	Single bolt
APG-B1	Al 16-35^2	Double bolt
APG-B2	Al 16-70^2	Double bolt
APG-B3	Al 16-150^2	Double bolt
APG-B4	Al 30-300^2	Double bolt


JAPG

JAPG Aluminium PG Clamps

Basic Data

Type	Size
JAPG-1	Al 25-35^2
JAPG-2	Al 50-70^2
JAPG-3	Al 195-120^2



JBL

JBL Aluminium PG Clamp

Basic Data

Type	Dimensions(mm)			Bolt	Cross section (mm^2)	Weight (kg)
	A	B	M			
JBL-50(70)	40	28	M8	1	50~70	0.077


JB

JB PG Clamp

Basic Data

Type	Cross section (mm^2)	Fig	Dimensions(mm)			
			A	M	L	R
JB-0	16-25	1	38.5	10	70	3.5
JB-1	35-50	1	42	12	80	5.0
JB-2	70-95	2	52	12	111	7.0
JB-3	120-150	2	61.5	16	140	9
JB-4	185-240	2	68.5	16	145	11.0
JB-5	300-400	3	90	16	200	14
JB-6	500	3	100	20	215	15.5

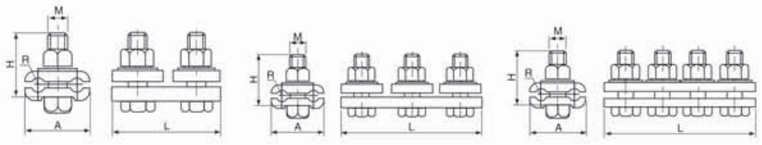
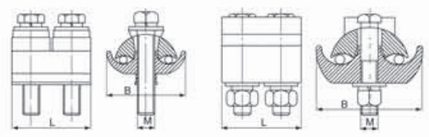


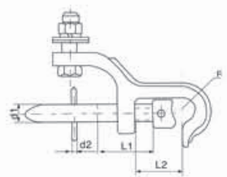
Fig 1 Fig 2 Fig 3


JBLY



Hangzhou Type Beijing Type


YZ



AL PG Clamp

Basic Data

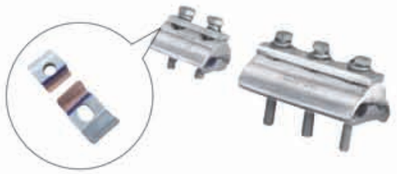
Fig	Type	Cross section (mm^2)	Dimensions(mm)		
			L	B	M
Hangzhou Type	JBLY-16-16	16-16	40	29	M8 (2pcs)
	JBLY-10-70	10-70	40	41.5	M8 (2pcs)
	JBLY-16-120(Three bolts)	16-120	47	47	M10 (3pcs)
	JBLY-50-240	50-240	70	62	M10 (2pcs)
	JBLY-70-300	70-300	90	65	M10 (2pcs)
	JBLY-120-400	120-400	70	78	M12 (2pcs)
Beijing Type	JBLY-16-120(Three bolts)	16-120	46	47	M10 (3pcs)
	JBLY-50-240	50-240	70	61	M10 (2pcs)
	JBLY-70-300	70-300	70	65	M10 (2pcs)
	JBLY-10-95	10-95	40	41.5	M8 (2pcs)
	JBLY-10-150	10-150	52	57	M10 (2pcs)
	JBLY-16-50	16-50	35	41	M10 (1pcs)
	JBLY-10-70	10-70	42	36	M8 (2pcs)

YZ Hot Line Clamp

Basic Data

Type	Conductor		d1	d2	R	L1	L2	Weight (kg)
	Bus-bar	Down lead wire						
YZ-1	LGJ-35-95	GL-25-70	12	4	8	30	32	0.32
YZ-2	LGJ-120-240	LG-35-70	12	4	8	40	40	0.32
YZ-3	LGJ-300-400		12	4	16	50	50	0.45
	LGJ-300-500							

Power Line Fittings

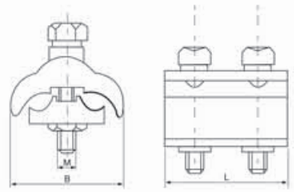


JBTL-AL

JBTL Bimetallic PG Clamp

Basic Data

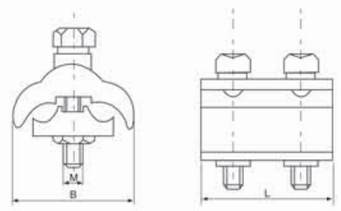
Type	Cross section (mm^2)		Dimensions (mm)		
	Main	Branch	B	L	M (Bolt)
JBTL-Al 16-70/Cu 6-50	Al 16-70	Cu 6-50	26	26	M8(1pcs)
JBTL-Al 25-150/Cu 10-95	Al 25-150	Cu 10-95	32	50	M8(2pcs)
JBTL-Al 35-120/Cu 6-35	Al 35-120	Cu 6-35	40	42	M8(2pcs)
JBTL-Al 35-300/Cu 35-240	Al 35-300	Cu 35-240	65	104	M10(3pcs)
JBTL-Al 35-200/Cu 16-185	Al 35-200	Cu 16-185	57	63	M10(2pcs)



Aluminium PG Clamp

Basic Data

Type	Cross section (mm^2)		Dimensions(mm)		
	Main	Branch	B	L	M (Bolt)
APG-A(JBL-16-70 S)	Al 16-70	Al 16-70	36	26	M8(2pcs)
APG-A(JBL-16-70 D)	Al 16-70	Al 16-70	36	40	M8(1pcs)
APG-A(JBL-16-95)	Al 16-95	Al 16-95	41	55	M8(2pcs)
APG-A(JBL-16-150)	Al 16-150	Al 16-150	45	50	M8(2pcs)
APG-A(JBL-35-200)	Al 35-200	Al 35-200	58	63	M10(2pcs)
APG-A(JBL-35-300)	Al 35-300	Al 35-300	65	104	M10(3pcs)
APG-A(JBL-35-300S)	Al 35-300	Al 35-300	65	69	M10(2pcs)



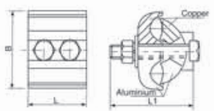
APG-A

JBTL

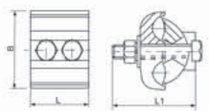
JBTL Bimetallic PG Clamp

Basic Data

Type	Cross section (mm^2)	Dimensions(mm)			Weight (kg)
		L	L1	B	
JBTL-10-95	10-95	40	40	41	0.235
JBTL-16-120	16-120	47	55	48	0.273
JBTL-50-240	50-240	45	60	62	0.391
JBT-10-95	10-95	40	40	38	0.235
JBT-16-120	16-120	45	55	48	0.273
JBT-50-240	50-240	45	60	62	0.391



JBTL



JBT

Ball Type Lighting Rod, Jdb Earth Rod, Clamp

Application

It is suitable for anti-lighting on top of high buiding, made of copper tube.

QPZ

Earth Rod

Diameter(mm)	Length	Copper Thickness
9	1-6m	254 microns Or according to your requirement
12.7		
14.2		
16		
17.2		
18		
20		
22		
25		

Power Line Fittings

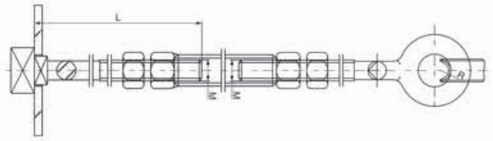
Turnbuckle Stay Rod

Stay Rod

Basic Data

Type	Dimensions (mm)			Weight (kg)
	M	L	R	
M16x1800	M16	180	10	4.5
M16x2000	M16	200	10	5.2
M16x2200	M16	220	10	5.8
M16x2400	M16	240	10	5.5

Note: M18. M20 and M24 share the same data as M16

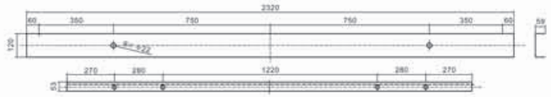


Cross Arm

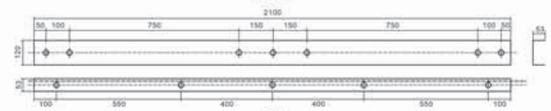
Cross Arm

Basic Data

Type	Dimensions (mm)			Weight (kg)
	h	b	L	
5*50*2000	5	50	2000	10.00
6*60*2000	6	60	2000	12.00
8*80*2000	8	80	2000	16.50
10*100*2000	10	100	2000	21.00
12*125*2000	12	125	2000	26.50



33kV



11kV

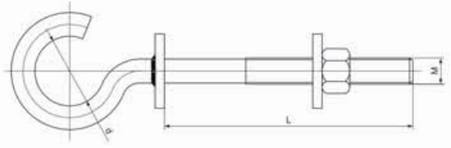
Bolt Hook

Bolt Hook

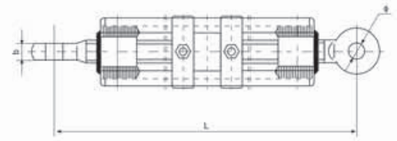
Basic Data

Type	Dimensions (mm)			Weight (kg)
	M	L	d	
M16*210	M16	210	40	0.38
M16*230	M16	230	40	0.42
M16*280	M16	280	40	0.62
M16*400	M16	400	40	0.82
M16*500	M16	500	40	1.30

Note: M18. M20 and M24 share the same data as M16



Turnbuckle (Type U)

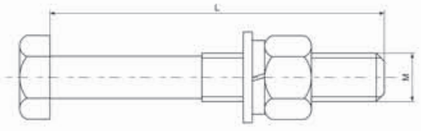


Turnbuckle (Type U)

Basic Data

Type	Dimensions(mm)			Rated failure load (kn)	Weight (kg)
	L	b	ϕ		
LH-7(250-290)	250-290	16	20	70	2.7
LH-7(270-320)	270-320	16	20	70	2.8
LH-7(300-500)	300-500	16	20	70	4.0
LH-7(470-740)	470-740	16	20	70	4.3
LH-7(500-800)	500-800	16	20	70	4.6
LH-7(530-850)	530-850	16	20	70	4.8
LH-7(640-980)	640-980	16	20	70	8.5
LH-10(360-500)	360-500	16	20	100	4.3
LH-10(450-650)	450-650	16	20	100	4.8
LH-10-450	375-525	16	20	100	4.4
LH-10(500-800)	500-800	16	20	100	5.1
LH-20(450-650)	450-650	24	30	200	7.5
LH-20(500-730)	500-730	24	30	200	8.0

Bolt

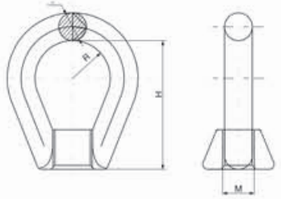


Bolt

Basic Data

Type	Dimensions (mm)		Weight (kg)
	M	L	
M10*50	M10	50	0.37
M12*100	M12	100	0.48
M16*50	M70	90	0.29
M16*50	M80	100	0.32
M18*300	M18	300	0.75
M20*200	M20	200	0.65
M24*300	M24	300	0.90

Eye Nut



Eye Nut

Basic Data

Type	Dimensions (mm)				Weight (kg)
	M	H	R	ϕ	
M16	16	65	19	14	0.70
M18	18	65	19	14	0.70
M20	20	65	19	14	0.70

Power Line Fittings

Ball Eye

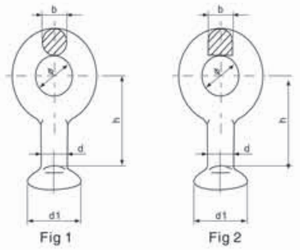


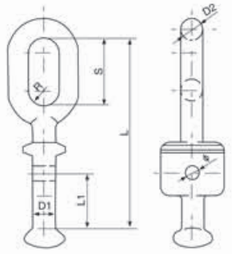
Fig 1 Fig 2

Ball Eye

Basic Data

Type	Dimensions (mm)					Designated size of coupling	Rated failure load (KN)	Fig	Weight (kg)
	d	ϕ	b	d1	h				
Q-7	17	22	16	33.3	50	16	70	1	0.3
QP-7	17	20	16	33.3	50	16	70	2	0.3
QP-10	17	20	16	33.3	50	16	100	2	0.3
QP-12	21	24	20	41.0	60	20	120	2	0.5
QP-12G	17	24	17	33.3	60	16	120	2	0.4
QP-16	21	26	20	41.0	60	20	160	2	0.5
QP-16G	21	26	18	41.0	60	20	160	2	0.5
QP-20	25	30	24	49.0	80	24	200	2	1.0
QP-21D	21	30	24	41.0	70	20	210	2	0.9
QP-30	25	39	28	49.0	80	24	300	2	1.1
QP-2120G	21	26	20	41.0	80	20	210	2	0.7
QP-3224G	25	33	28	49.0	80	24	320	2	1.2
QP-4228G	29	39	32	57.0	100	28	420	2	1.5

Q Type Ball Eye

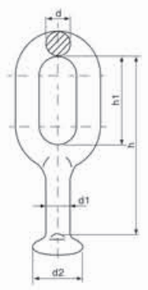


Ball Eye(Parallel Type, Horn Holder Type)

Basic Data

Type	Suitable insulator	Dimensions (mm)							Designated size of coupling	Rated failure load (KN)	Weight (kg)
		L	L1	D1	D2	S	R	ϕ			
Q-7N	xp-7	165	48	17	16	56	12.5	14	16	70	1.2
Q-10N	xp-10	165	48	17	16	56	12.5	14	16	100	1.3
Q-12N	xp-12	165	48	17	16	56	12.5	14	16	120	1.5
Q-16N	xp-16	176	48	20	20	80	15	14	20	160	1.8

OH Type Ball Eye

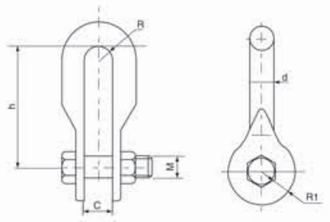


Ball Eye

Basic Data

Type	Dimensions (mm)					Designated size of coupling	Rated failure load (KN)	Weight (kg)
	d	d1	d2	h	h1			
QH-7	16	17	33.3	100	57	16	70	0.6
QH-10	18	17	33.3	100	57	16	100	0.6
QH-12	19	17	33.3	114	65	16	120	1.1
QH-16	18	21	41.0	127	80	20	160	1.3
QH-20/16	22	21	41.0	135	85	20	160	1.5
QH-21	20	21	41.0	150	80	20	210	1.3
QH-30	22	25	49	150	98	24	300	1.7

U-Shackle



U-Shackle

Basic Data

Type	Dimensions (mm)						Rated failure load (KN)	Weight (kg)
	C	M	D	H	R	R1		
U-7	20	16	16	80	10	22	70	0.50
U-10	22	18	18	85	11	24	100	0.60
U-12	24	22	22	90	12	30	120	1.00
U-16	26	24	22	95	13	32	160	0.47
U-21	30	27	24	100	15	36	200	2.30
U-25	34	30	26	110	17	40	250	2.80
U-30	38	36	30	130	19	46	300	3.70
U-30G.1	38	30	30	115	19	46	300	3.00
U-40	42	42	34	140	21	50	400	6.30
U-50	44	42	36	150	22	55	500	7.00
U-50G.1	40	36	36	190	20	55	500	6.55
U-60	50	48	38	210	25	58	600	10.75
U-60A	46	42	42	195	23	58	600	7.50
U-21G	24	24	22	112	12	36	210	1.50
U-32G	32	30	28	115	16	46	320	3.00
U-42G	36	36	32	130	18	50	420	4.60
U-50G	36	36	34	140	18	55	500	5.30

U-Bolt

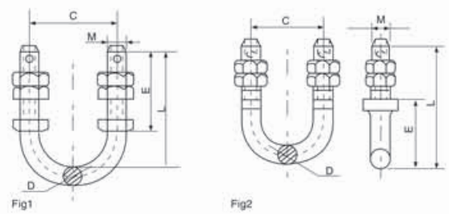


Fig1 Fig2

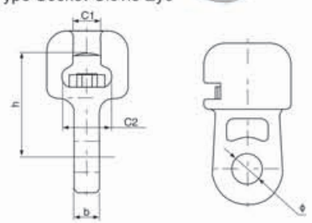
U-Bolt

Basic Data

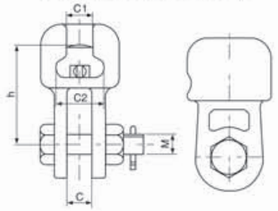
Type	Dimensions (mm)					Fig	Rated failure load (KN)	Weight (kg)
	C	D	E	L	M			
U-1240	40	12	45	80	12	Fig1	35	0.38
U-1440	40	14	60	90	14		35	0.42
U-1470	70	14	70	120	14		40	0.46
U-1670	70	16	65	130	16		50	0.66
U-1870	70	18	80	130	18		60	0.86
U-1880	80	18	60	130	18		60	0.88
U-1890	90	18	60	140	18		60	0.90
U-2070	70	20	90	130	20		70	1.20
U-2080	80	20	70	140	20		70	1.70
U-2090	90	20	90	150	20		70	1.28
U-2280	80	22	90	150	22		100	1.3
U-2290	90	22	100	160	22		100	1.34
UJ-1880	80	18	39	130	18	Fig2	60	0.88
UJ-2080	80	20	43	140	20		70	1.08
UJ-2280	80	22	45	150	22		100	1.28

Power Line Fittings

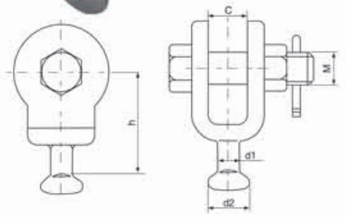
W Type Socket-Clevis Eye



WS Type Socket-Clevis Eye



Ball Clevis



Socket-Clevis Eye

Basic Data

Type	Dimensions (mm)					Designated size of coupling	Rated failure load (KN)	Weight (kg)
	B	C1	C2	H	ϕ			
W-7A	16	19.2	34.5	70	20	16	70	0.8
W-7B	16	19.2	34.5	115	20	16	70	0.92
W1-10	18	19.2	34.5	85	20	16	100	0.9
W1-12	20	19.2	34.5	90	24	16	120	1.3
W-12	20	23	42.5	90	24	20	120	1.4
W-30	32	27.5	51.0	110	39	24	300	3.5

Socket-Clevis Eye

Basic Data

Type	Dimensions (mm)					Designated size of coupling	Rated failure load (KN)	Weight (kg)
	C	C1	C2	M	H			
WS-7	18	19.2	34.5	16	70	16	70	0.97
WS-10	20	19.2	34.5	18	85	16	100	1.70
WS-12G	20	19.2	34.5	18	85	16	120	1.70
WS-12	24	23.0	42.5	22	90	20	120	3.81
WS-12X	24	19.2	34.5	22	90	16	120	3.10
WS-12A	20	19.2	34.5	22	85	16	120	1.80
WS-16	26	23.0	42.5	24	95	20	160	2.64
WS-20	30	27.5	51.0	27	100	24	200	4.30
WS-20DF	30	23.0	42.5	27	100	20	200	4.50
WS-30	36	27.5	51.0	36	110	24	300	5.70
WS-16G	22	23.0	42.5	24	95	20	160	2.64
WS-21G	24	27.5	51.0	24	100	24	210	3.50
WS-32G	32	27.5	51.0	30	110	24	320	4.80
WS-42G	36	32.0	59.0	36	120	28	420	5.60

Ball Clevis

Basic Data

Type	Dimensions (mm)					Designated size of coupling	Rated failure load (KN)	Weight (kg)
	h	d1	d2	M	C			
Q-7U	89	17	33.3	16	18	16	70	0.9
Q-12U	94	17	33.3	22	22	16	120	1.00
Q-16U	78	21	41.0	24	24	20	160	1.00
Q-16UA	80	21	41.0	24	26	20	160	1.12
Q-21U	102	21	41.0	27	30	20	210	1.35
Q-30U	110	25	49.0	36	38	24	300	2.14

W-8K Socket Eye

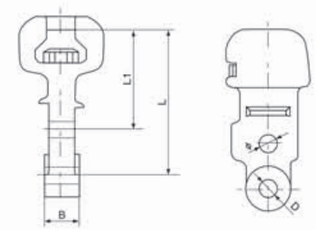
JK

NUT

W-8K Socket Eye

Basic Data

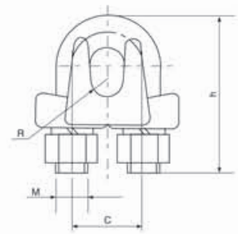
Type	Suitable insulator	Dimensions (mm)					Rated failure load (KN)	Weight (kg)
		L	L1	B	D	ϕ		
W1-7k	Xp-7 xp-4.5	120	70	20	18	14	70	1.0
W1-8k	xp-7	150	96.5	20	18	14	80	1.2
W1-12k	xp-12	120	70	22	24	14	120	3.0



Guy Clip

Basic Data

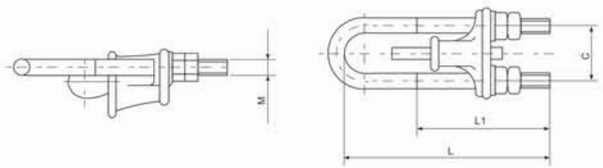
Type	Steel wire dia(mm)		Dimensions (mm)				Weight (kg)
	Type	Outer dia.	M	R	C	H	
JK-1(10)	GJ-25-35	6.6-8.0	10	5	21	53	0.151
JK-2(12)	GJ-50-70	9.0-11.5	12	7	26	60	0.222
JK-3(15)	GJ-100-120	12.5-14.0	14	8	31	74	0.356



Nut Clamp (Adjustable Type)

Basic Data

Type	Steel wire dia (mm)	Dimensions (mm)				Rated failure load (KN)	Weight (kg)
		C	M	L	L1		
NUT-1	6.6-7.8	56	16	370	200	45	2.1
NUT-2	9.0-11.0	62	18	450	250	88	3.2
NUT-3	13.0-14.0	74	22	500	300	143	5.4
NUT-4	15.0-16.0	82	24	580	350	164	7.2



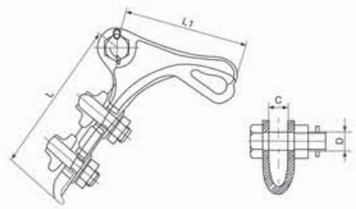
Power Line Fittings

NLD

NLD Tension Clamp (Bolted Type)

Basic Data

Type	Applicable conductor dia (mm)	Dimensions(mm)					U-Bolt		Rated failure load (KN)	Weight (kg)
		D	C	L	L1	R	No.	Dia.		
NLD-1	5.0~10.0	16	18	150	120	6.5	2	12	20	1.3
NLD-2	10.1~14.0	16	18	205	130	8.0	3	12	40	2.1
NLD-3	14.1~18.0	18	20	310	160	11.0	4	16	70	4.6
NLD-4	18.1~23.0	18	25	410	220	12.5	5	16	90	7.1

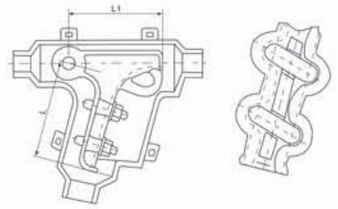


NLL

NLL Series Aluminium Alloy Tension Clamp

Basic Data

Type	Diameter of stranded wire	U bolt		U.T.S (KN)	Cover used	Weight (kg)
		Nos	Dia.			
NLL-1	5.0-10.0	2	M10	40	JNL-1	0.810
NLL-2	10.1-14.0	2	N12	40	JNL-2	1.100
NLL-3	14.1-18.0	3	M12	70	JNL-3	2.173
NLL-4	18.1-23.0	3	M12	90	JNL-4	3.300
NLL-5	23.1-29.0	5	M12	120	JNL-5	4.270

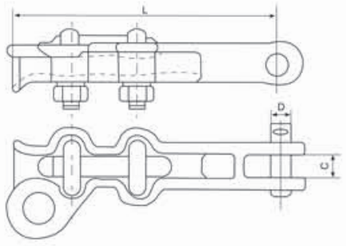


NLZ

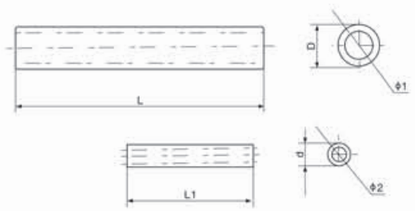
NLZ Dead-End Strain Clamp

Basic Data

Type	Conductor Dia. (mm)	Dimensions(mm)			U-Bolt No.	U.T.S (KN)	Weight (kg)
		L	C	D			
NLZ-1L	3.8-9.4	114	18	16	2	20	0.60
NLZ-2L	5.8-10.4	180	17.5	16	2	35	0.84
NLZ-3L	7.6-15.2	195	19.5	16	2	45	1.05
NLZ-4L	11.7-22.4	240	24	16	2	45	1.34



JYD

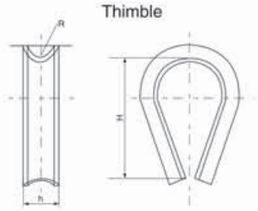


Splicing Sleeves for ACSR Conductor(Hydraulic Overlap Joint)

Basic Data

Type	Aluminium splicing tube			Steel splicing tube			Slip Strength ≥(KN)	Weight (kg)
	D	ϕ1	L	d	ϕ2	L1		
JYD-150/35	34	23	380	22.0	13.0	110	61.8	0.655
JYD-185/25	34	21	400	19.0	11.2	100	56.5	0.744
JYD-185/30	34	22	410	20.0	12.0	105	61.1	0.745
JYD-185/45	36	24.5	430	23.0	14.2	115	76.2	0.850
JYD-240/30	36	23.0	460	20.0	12.0	105	70.0	0.90
JYD-240/40	36	23.0	440	20.0	13.3	105	80.0	0.84
JYD-240/55	36	24.0	470	22	16.0	120	100	1.01
JYD-300/15	40	24.5	470	18	8.5	80	65	1.27
JYD-300/20	40	25.0	490	18	9.8	85	70	1.30
JYD-300/25	40	25.5	480	20	11.2	95	80	1.27
JYD-300/40	40	25.5	490	20	13.3	100	90	1.28
JYD-300/50	40	26.0	490	22	15.0	120	100	1.30
JYD-300/70	42	27.0	520	24	18.0	130	120	1.48
JYD-400/20	45	28.5	550	18	9.8	85	85	1.75
JYD-400/25	45	28.5	550	20	11.2	95	90	1.78
JYD-400/35	45	28.5	540	22	13.0	105	100	1.79
JYD-400/50	45	29.5	570	24	15.4	125	120	1.87
JYD-400/65	48	29.5	560	26	17.2	135	130	2.28
JYD-500/35	52	31.5	620	22	13.0	105	110	2.82
JYD-500/45	52	31.5	610	24	14.0	115	120	2.88
JYD-500/65	52	32.5	640	26	17.2	135	150	2.93
JYD-630/45	60	34.5	690	24	14.0	115	140	3.80
JYD-630/55	60	36.0	680	26	16.0	125	155	3.63

Thimble

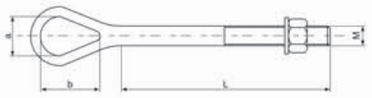


Thimble

Basic Data

Type	Dimensions (mm)			Conductor dia (mm)
	R	H	h	
WF-12	6	65	18	6-12
WF-14	7.5	78	20	8-14

Eye Bolt



Eye Bolt

Basic Data

Type	Dimensions (mm)				Weight (kg)
	M	L	a	b	
M16*500	M16	500	38	50	1.10
M18*500	M18	500	38	50	1.23
M20*500	M20	500	38	50	1.40
M22*500	M22	500	38	50	1.60

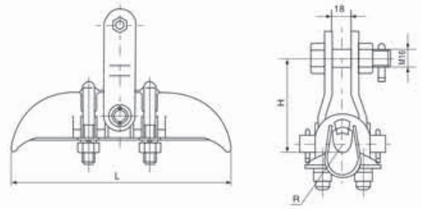
Power Line Fittings

CGU

CGU Suspension Clamp

Basic Data

Type	Applicable conductor dia (mm)	Dimensions(mm) H	L	R	Rated Failure load (KN)	Weight (kg)
CGU-1	5.0~7.0	82	180	4.0	40	1.4
CGU-2	7.1~13.0	82	200	7.0	40	1.8
CGU-3	13.1~21.0	102	220	11.0	40	2.0
CGU-4	21.1~26.0	110	250	13.5	40	3.0

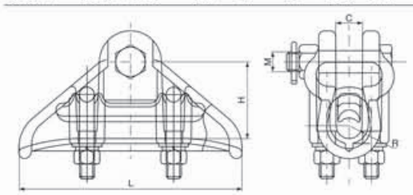


CGH

CGH Suspension clamp

Basic Data

Type	Applicable conductor dia (mm)	Dimensions(mm) H	C	M	R	L	Rated failure load (KN)	Weight (kg)
CGH-2	5.1~12.5	55	17	16	7	170	40	0.71
CGH-3	12.4~18.5	62	22	16	10.5	180	50	1.10
CGH-4	17.8~26.0	62	27	16	13.0	203	50	1.55
CGH-5	25.0~35.0	68	37	16	18.0	216	70	2.00
CGH-6	25.0~35.0	68	37	16	18.0	216	70	2.00
CGH-7	30.0~42.5	85	47	16	23.0	245	82	2.15

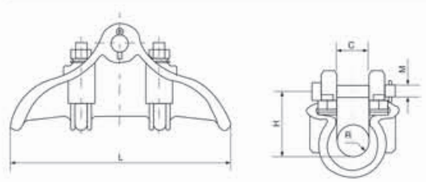


CGF

CGF Suspension Clamp

Basic Data

Type	Applicable conductor dia (mm)	Dimensions(mm) H	C	M	R	L	Rated Failure load (KN)	Weight (kg)
CGF-4X	19.0~22.0	65	28	16	14	300	70	3.20
CGF-5XB	23.0~32.0	82	34	16	17	300	90	3.55

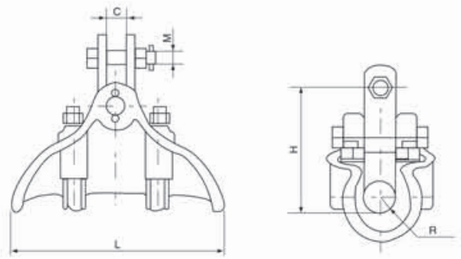


CGF

CGF Suspension Clamp (Hung-down Type)

Basic Data

Type	Applicable conductor dia (mm)	Dimensions(mm) H	C	M	R	L	Rated Failure load (KN)	Weight (kg)
CGF-5X	23~32	147	20	16	17	300	70	3.55
CGF-6X	33~43	168	20	18	23	300	90	4.00
CGF-7X	40~52	182	20	18	27	350	100	4.50



FD, FG Damper

FD, FG Damper

Basic Data

Type	Cross section (mm^2) Steel Wire	AAC&ACSR	Fig	Dimensions (mm) L	D	h	Weight (kg)
FD-1		35~50	1	300	40	40	1.5
FD-2		70~95	1	370	46	55	2.4
FD-3		120~150	1	450	56	65	4.5
FD-4		185~240	1	500	62	70	5.6
FD-5		300~400	1	550	67	70	7.2
FD-6		500~630	1	550	70	75	8.6
FG-35	35		2	300	42	50	1.8
FG-50	50		2	350	46	50	2.4
FG-70	70		2	400	56	60	4.2
FG-100	100		2	500	62	65	5.9

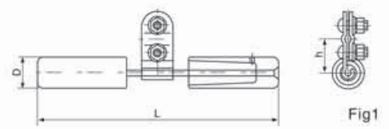


Fig1

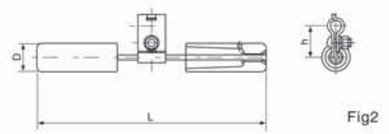


Fig2

Power Line Fittings

BGX

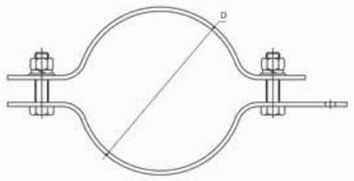
Pole Used Fixing

Basic Data

Type	Structure type	Dimensions(mm) D
BGX165	Used concrete pole of installation psition ϕ165	ϕ165
BGX190	Used concrete pole of installation psition ϕ190	ϕ190
BGX210	Used concrete pole of installation psition ϕ210	ϕ210
BGX230	Used concrete pole of installation psition ϕ230	ϕ230
BGX260	Used in ϕ260 pole of same diameter	ϕ260
BGX300	Used in ϕ300 pole of same diameter	ϕ300
BGX400	Used in ϕ400 pole of same diameter	ϕ400

NB: X-the fixings cooperated with strain, suspension wire clamps

BGJ

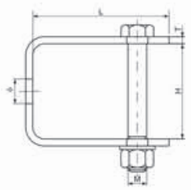


Pole Used Fixing

Basic Data

Type	Structure type	Dimensions(mm) D
BGJ165	Used concrete pole of installation psition ϕ165	ϕ165
BGJ190	Used concrete pole of installation psition ϕ190	ϕ190
BGJ210	Used concrete pole of installation psition ϕ210	ϕ210
BGJ230	Used concrete pole of installation psition ϕ230	ϕ230
BGJ260	Used in ϕ260 pole of same diameter	ϕ260
BGJ300	Used in ϕ300 pole of same diameter	ϕ300
BGJ400	Used in ϕ400 pole of same diameter	ϕ400

NB: J-fixings to be cooperated with connector box and surplus cable support, if need other specification, please contact us

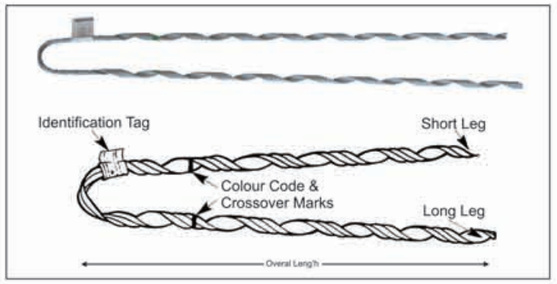


D-Iron Plate

Basic Data

Type	Main dimensions				
	T	H	L	ϕ	M
D-6.4×38×69×104	6.4	69	104	18	M16
D-5×40×85×110	5	40	110	18	M16
D-6×38×81×122	6	38	122	18	M16
D-6×40×70×105	6	40	84	18	M16
D-4×40×88×110	4	40	110	18	M16

The over head Dead ends have been designed as a simpie and cost effective method of carrying out terminations on overhead distribution networks incorporating AAC,/AAAC and ACSR Conductors. Also it have was used for 1 KV and 10KV insulated conductors.Their unique single piece design, provides undorm application pressure to the conductor, and eliminales cumbersome hardware and other components. which may be losl or damaged during installation or in service. An entire range 01 1ittings, have baEn developed, to cover the smallest earth wires, right up to the largest transmission conductors. Each fitting has a specific
application range, as indicated in the following tables.



Dead ends: Aluminum covered steel or galvanized steel
Thimble: iron hot dip galvanized
Open looped: it was suit for small size conductors.
Cable looped: it was suitable for big size conductors.
Crossover Marks: Indicate starting point for application on conductor.
Color Code and Length: Assist in identification of conductor diameter range.
Identification Tag: Identifies conductor type, and diameter range.

For ACSR conductor

catalogue number	Conductors GBT117199/83 LGJ/LGJF		Length	Pieces
	Section(mm^2)	O.D(mm)		
TNL-16/3	16/3	5.55	444	3
TNL-25/4	25/4	6.96	546	3
TNL-35/6	35/6	8.16	622	3
TNL-50/8	50/8	9.60	685	3
TNL-70/10	70n0	11.4	736	3
TNL-95/15	95/15	13.61	876	4
TNL-95/20	95/20	13.87	876	4
TNL-120/7	120/7	14.5	876	4
TNL-120/20	120/20	15.07	889	4
TNL-120125	120125	15.74	889	4
TNL-150/8	150/8	16.00	889	4
TNL-150/20	150/20	16.67	1016	5
TNL-150/25	150/25	17.10	1016	5
TNL-150/35	150/35	17.5	1016	5
TNL-1B5/10	185/10	18.00	1016	5
TNL-185/25	185/25	18.88	1155	6
TNL-185/30	180/30	18.90	1155	6
TNL-185/45	185/45	19.00	1155	6
TNL-210110	210/10	19.60	1155	6
TNL-210/25	210/25	19.98	1155	6
TNL-210/35	210/35	20.38	1155	6
TN1-210/50	210/50	20.86	1155	6
TNL-240/30	240/30	21.60	127D	B
TNL-240/40	240/40	21.66	1270	8
TNL-300/15	300/15	23.04	12/0	8
TNL-300/20	300/20	23.43	1270	8
TNL-300/25	300/25	23.76	1442	10
TNL-300/40	300/40	26.94	1442	10
TNL-300/50	300/50	24.26	1442	10

Power Line Fittings

FYH Pre-formed Armour Rod

Basic Data

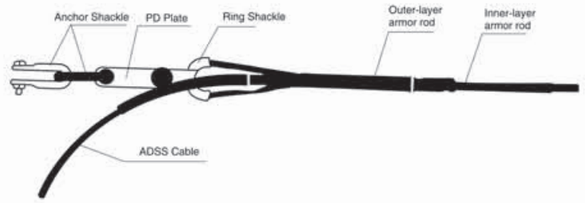
Type	Applicabe Conductor (mm)	Dimensions (mm)		Nos.of a set	Weight (kg)
		d	L		
FYH-70/10	LGJ-70/10	3.6	1300	11	0.33
FYH-95/15	LGJ-95/15	3.6	1400	13	0.53
FYH-95/20	LGJ-95/20	3.6	1400	13	0.54
FYH-95/55	LGJ-95/55	3.6	1500	16	0.62
FYH-120/7	LGJ-120/7	3.6	1400	14	0.55
FYH-120/20	LGJ-120/20	3.6	1400	14	0.57
FYH-120/25	LGJ-120/25	3.6	1400	14	0.58
FYH-120/70	LGJ-120/70	4.6	1800	14	0.75
FYH-150/8	LGJ-150/8	3.6	1500	16	0.62
FYH-150/20	LGJ-150/20	3.6	1500	16	0.65
FYH-150/25	LGJ-150/25	3.6	1500	16	0.64
FYH-150/35	LGJ-150/35	3.6	1500	16	0.66
FYH-185/10	LGJ-185/10	4.6	1800	14	1.24
FYH-185/25	LGJ-185/25	4.6	1800	14	1.25
FYH-185/30	LGJ-185/30	4.6	1800	14	1.26
FYH-185/45	LGJ-185/45	4.6	1800	14	1.26
FYH-210/10	LGJ-210/10	4.6	1800	14	1.27
FYH-210/25	LGJ-210/25	4.6	1800	14	1.28
FYH-210/35	LGJ-20/35	4.6	1800	14	1.28
FYH-210/50	LGJ-210/50	4.6	1800	14	1.30
FYH-240/30	LGJ-240/30	4.6	1900	16	1.44
FYH-240/40	LGJ-240/40	4.6	1900	16	1.44
FYH-240/55	LGJ-240/55	4.6	1900	16	1.50
FYH-300/15	LGJ-300/15	6.3	2000	13	2.30
FYH-300/20	LGJ-300/20	6.3	2000	13	2.30
FYH-300/25	LGJ-300/25	6.3	2000	13	2.33
FYH-300/40	LGJ-300/40	6.3	2000	13	2.34
FYH-300/50	LGJ-300/50	6.3	2000	13	2.34
FYH-300/70	LGJ-300/70	6.3	2000	13	2.54
FYH-400/20	LGJ-400/20	6.3	2200	14	2.80
FYH-400/25	LGJ-400/25	6.3	2200	14	2.80
FYH-400/35	LGJ-400/35	6.3	2200	14	2.80
FYH-400/50	LGJ-400/50	6.3	2200	14	2.80
FYH-400/65	LGJ-400/65	6.3	2200	14	2.83
FYH-400/95	LGJ-400/95	6.3	2200	14	2.85
FYH-500/35	LGJ-500/35	6.3	2500	16	3.48
FYH-500/45	LGJ-500/45	6.3	2500	16	3.48
FYH-500/65	LGJ-500/65	6.3	2500	16	3.50
FYH-630/45	LGJ-630/45	7.8	2500	15	5.32
FYH-630/55	LGJ-630/55	7.8	2500	15	5.40
FYH-630/80	LGJ-630/80	7.8	2500	15	5.40
FYH-720/50	LGJ-720/50	7.8	3000	15	6.20
FYH-800/55	LGJ-800/55	7.8	2500	17	6.02
FYH-800/70	LGJ-800/70	7.8	2500	17	6.10
FYH-800/100	LGJ-800/100	7.8	2500	17	6.20

ADSS/OPGW Dead-End Clamp

Basic Data

Cable type	Type	Slip strength (KN)	Suitable fiber cable's dia. Range (mm)	Armor rod's Length(mm)	
				Inner-layer Armor Rod	Outer-layer Armor Rod
ADSS	ANZ-15-*.*	15	100	1100	800
	ANZ-15-*.*	15	101-200	1250	850
	ANZ-25-*.*	25	201-300	1600	1200
	ANZ-30-*.*	30	301-400	1700	1350
OPGW	ANZ-40-*.*	40	401-500	1900	1500
	ANZ-50-*.*	50	501-600	2200	1700
	ANZ-60-*.*	60	601-700	2300	1850
	ANZ-70-*.*	70	701-800	2600	2100
	ANZ-80-*.*	80	801-1000	2800	2300
	ONZ-70-*.*	70	9.5-17.5	2000	1600
	ONZ-100-*.*	100	12.5-21.0	2500	1900
	ONZ-120-*.*	120	13.5-21.0	2600	2000

Holding Strength More Than 15KN



Spiral Damping Vibration Reducer

Basic Data

Type	Applicable cable dia. (mm)	Clamping space distance (mm)	Totall length (mm)
FL_p-10/FL_n-10	ϕ9.1-ϕ11.0	300	1350
FL_p-12/FL_n-12	ϕ11.1-ϕ13.0	300	1350
FL_p-14/FL_n-14	ϕ13.1-ϕ15.0	300	1350
FL_p-16/FL_n-16	ϕ15.1-ϕ17.0	300	1500
FL_p-18/FL_n-18	ϕ17.1-ϕ19.0	300	1500
FL_p-20/FL_n-20	ϕ19.1-ϕ21.0	300	1500

NB: FL_p stand for standard damping vibration reducer,
FL_n stand for corrosive resistant type.
IF other specifications needed, please contact us.

Power Line Fittings

Earth wire/Stay Wire

- Galvanised steel wire in mild steel,medium carbon and high carbon steel are available with Eritech as individual wires & also in stranded forms. Individual wires are supplied in each coil weighing 70 to 135 kg or as prescribed by the customer.
- Stranded wire are produced as-
  1)Overhead Groundwire or static wire for earthing of the electrical Power Transmission lines.
  2)Stay or Guy wire strands are produced for use with poles, towers or anyother form of guying and can be used for telephone, power & CATV sets.
- Stranded wires are packed in steel drums if requird by the customer, otherwise in coils wrapped and palletised for exports.
- These wires are available as per ASTM-A-475 & BS-183 specifcation.

Basic Data

Construction Number of wires/ wire diameter	Approximate stranddiameter (inch)	mm	Simens Martin Grade KN	High Strength Grade KN	Extra-High Strength Grade KN	Approx weight kg/km
3/2.64	7/32	5.56	10.409	15.569	21.796	131
3/3.05	1/4	6.35	13.523	21.040	29.981	174
3/3.05	1/4	6.35	-	-	-	174
3/3.30	9/32	7.14	15.035	23.398	33.362	204
3/3.68	5/16	7.94	18.193	28.246	40.479	256
3/4.19	3/8	9.25	24.732	37.187	52.489	328
7/1.04	1/8	3.18	4.048	5.916	8.140	49
7/1.32	5/32	3.97	6.539	9.519	13.078	76
7/1.57	3/16	4.76	8.452	12.677	17.748	108
7/1.65	3/16	4.76				118
7/1.83	7/32	5.56	11.387	17.126	24.020	145
7/2.03	1/4	6.35	14.012	21.129	29.581	181
7/2.36	9/32	7.14	18.905	28.469	39.812	243
7/2.64	5/16	7.94	23.798	35.586	49.820	305
7/2.77	5/16	7.94	-	-	-	335
7/3.05	3/8	9.52	30.915	48.040	68.503	407
7/3.68	7/16	11.11	41.591	64.499	92.523	594
7/4.19	1/2	12.70	53.823	83.627	119.657	768
7/4.78	9/16	14.29	69.837	108.981	155.688	991
7/5.26	5/8	15.88	84.961	131.667	188.605	1211
19/2.54	1/2	12.70	56.492	84.961	118.768	751
19/2.87	9/16	12.49	71.616	107.202	149.905	948
19/3.18	5/8	15.88	80.513	124.995	178.819	1184
19/3.81	3/4	19.05	116.543	181.487	259.331	1719
19/4.50	7/8	22.22	159.691	248.211	354.523	2352
19/5.08	1	25.40	209.066	325.610	464.839	2384
37/3.63	1	25.40	205.508	319.827	456.832	2061
37/4.09	11.8	28.58	262.000	409.457	581.827	4006
37/4.55	11/4	31.75	324.720	505.318	721.502	4833

YH-1

Bolt, Thimble Eye

YH-2

Bracket Cross Arm Steel Flat

YH-3

Bolt, Ovaleye

YH-4

Bolt, Single Upset

YH-5

Pin, Crossarm, Long Shank

YH-6

Bolt, Double Arming

YH-7

Bolt, Double Upset

YH-8

Bolt, Single Upset

YH-9

Anchackle-Shackle

YH-10

Nail

YH-11

Bolt, Machine

YH-12

Earthing Rod

YH-13

Tie Strip

YH-14

Stay Rod

YH-15

Bolt

Power Line Fittings

YH-16

Clamp, Anchor Rod

YH-17

Snake Type Screw Rod

YH-18

Pig Tail Nail

YH-19

Hook Screw

YH-20

Snake Type Screw Rod

YH-21

Pig Tail Nail

YH-22

Hook Screw

YH-23

Hook

YH-24

Pole Clamp

YH-25

Bracket-pole Top

YH-26

Bracket, Insulated Type

YH-27

Clevis, Service Swinging

YH-28

Thimble eye

YH-29

Bracket, Insulated Type

YH-30

Clamp, Ground Rod

YH-31

Cross Plate Anchors

YH-32

Washer, Supare

YH-33

Washer, Supare

YH-34

Copper Connector

YH-35

Clamp, Suspension

YH-35=6

Plate, Guy

YH-37

Hook, Guy

YH-38

Screw, Lag

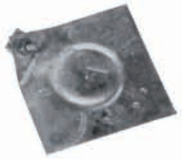
YH-39

Tightening Insulator

YH-40

Plate, Crossarm Reinforcing

YH-41



Plate, Grounding

YH-42

Locknut, Square

YH-43

Staple, Groundwire

YH-44

Screw Insulator

YH-45

Clamp, 3 Bolt

YH-46

Brackets

Power Line Fittings

YH-47

Iron D. D Box

YH-48

Matel Box

YH-49

Iron Connector

YH-50

Copper Head

YH-51

Copper Head With Cover

YH-52

D Iron Insulator

YH-53

Insulator Set

YH-54

Screw Socket

YH-55

Eye Link With Hook

YH-56

Screw

YH-57

Socke Eye

YH-58

Ceramic Tube

YH-59

Clamp

YH-60

"L" Terminal

YH-61

Cu-Al Bitmetal

YH-62

Porcelain F440B

YH-63

T Type

YH-64

Socket Eye-1

YH-65

Ball Clip

YH-66

Ball End

YH-67

Hook Screw

YH-68

Wire Clamp

YH-69

Pole Hook

YH-70

Long Sock Et Eye

YH-71

Hook

YH-72

Pig Talk Strip

YH-73

Pig Talk Hook

YH-74

QH-7Suspension Loop

YH-75

Q-7N Suspension Loop

YH-76

Q-7N Suspension Clevises

YH-77

Tighten-Adjusting Clevises

Power Line Fittings

YH-78

7KN Stay Rod

YH-79

Small Ball Socket

YH-80

Socket

YH-81

Socket

YH-82

Pothook

YH-83

NLD-1 Strain Clamp

YH-84

Double Yoke Plate

YH-85

Yoke Plate

YH-86

Concave Square Plate

YH-87

Small D Iron

YH-88

Clamp Of Stay Rod

YH-89

Iron Plate Hook

YH-90

Small D Iron

YH-91

Earth Rod Clamp

YH-92

Phone Clamp

YH-93

Hanging Clamp

YH-94

Hook

YH-95

Plastic Cut Out Fuse

YH-96

Cut Out Fuse

YH-97

"Y" Cut Out Fuse

YH-98

L Type Double Groove Plywood

YH-99

Small Clamp Plate

YH-100

Parallel Groove Clamp

YH-101

Aluminium Connectors

YH-102

Double Groove Connectors

YH-103

Strain Clamp-1

YH-104

Eight-Square Clamp

YH-105

Alumunium Tension

YH-106

Clamp, Deadend Strain

YH-107

Clamp, Deadend Strain

YH-108

Clamp, Hot Line

YH-109

Copper Clamp

Power Line Fittings

YH-110

Clamp, Hot Line

YH-111

Clamp, Hot Line

YH-112

Clamp, Hot Line

YH-113

Clamp, Hot Line

YH-114

Clamp, Deadend Strain

YH-115

Clamp, Deadend Strain

YH-116

Hook, Guy

YH-117

Clamp

YH-118

Clamp

YH-119

Clamp, Suspension

YH-120

Clamp

YH-121

Clamp

YH-122

Clamp, Loop

YH-123

Clamp, Loop

YH-124

Aluminium Clamp

YH-125

Copper Clamp

MARK CABLES | POWER SOLUTIONS

01 A01 MACHINE BOLT

1 / 2, 5/8, 3/4, 7/8 Inch Diameter

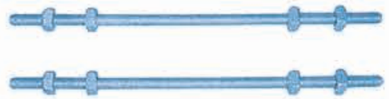
02 A02 BRACE BOLT

3/8, 1/2 Inch Diameter

03 A03 CARRIAGE BOLT

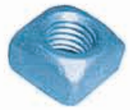
3/8, 1/2 Inch Diameter

04 A04 DOUBLE ARMING BOLT



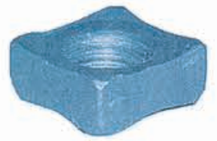
1/ 2, 5/8, 3/4, Inch Diameter

05 A05 SQUARE NUT



Regular / Heavy

06 A06 MF NO.1 LOCK NUTS

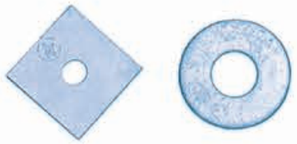


Regular Bolt

07 A06 LAG SCREW

Gimlet drive point/
Fetter drive regular point

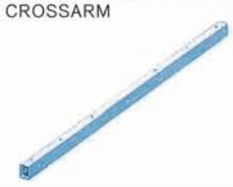
08 A08 WASHERS



Round/Square flat
/Square curve

09 A09 SPRING LOCK WASHER

10 B01 RECTANGULAR STEEL CROSSARM



11 B02 VERTICAL SIDEARM BRACE

12 B02 ALLEY ARM BRACE

13 B07 DIAGONAL BRACE

14 B08 BACK BRACE

15 B04 ANGLE BRACE

Two piece span brace / One piece angle brace

16 B06 ANGLE BRACE DOUBLE SPAN

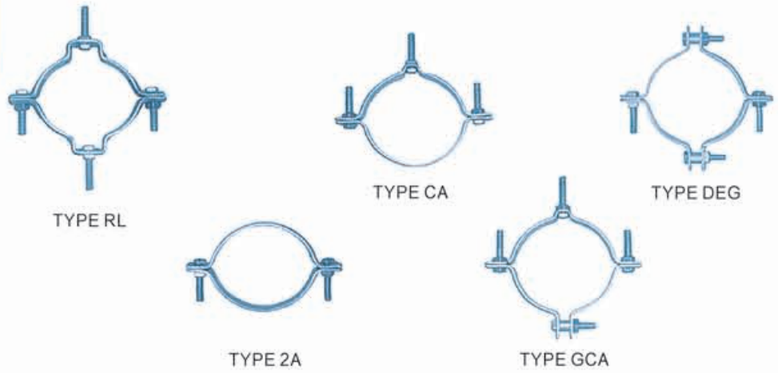
One piece double span brace

17 B05 FLAT CROSSARM BRACES

Light type / Heavy type

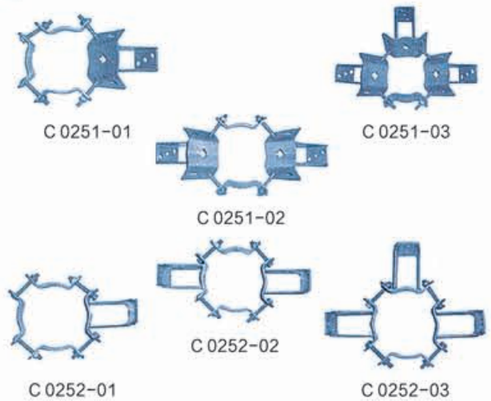
Power Line Fittings

18 C02 MOUTING CLAMP ADAPTER



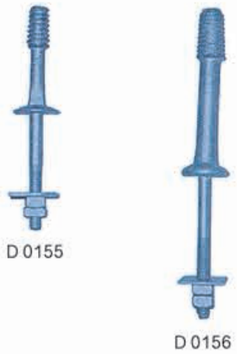
Light duty/Heavy duty

19 C02 TRANSFORMER POLE MOUNTING BRACKET



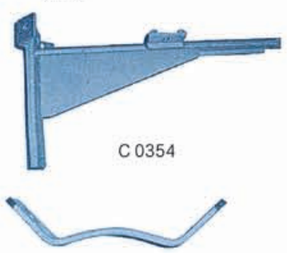
A.For mounting of 3 to 50 kva transformer /
B.For mounting of 75 to 167 kva transformer

20 D01 INSULATOR PIN & ACCESSORIES

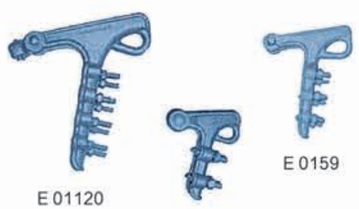


Low voltage steel pin / High voltage steel pin /
Wide base clamp steel pin

21 C03 MOUNTING BRACKET FOR FUSE CUT OUT ARRESTER, 27KV



22 E01 CLAMP,DEADEND,STRAIN,AL



Strain clamp

23 POLE TOP PIN

Low voliage steel pin

24 D03 TRANSFORMER LEAD PIN

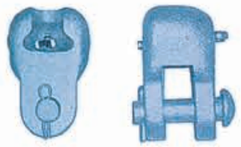
Stand- off pin

25 D04 DOUBLEARMING PLATE

26 E02 SOCKET EYE

27 E06 CLEVIS EYE

28 E03 SOKET CLEVIS

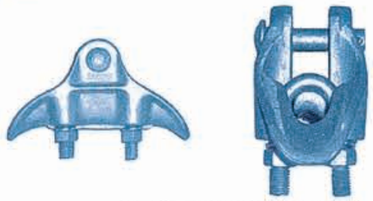


29 E04 BALL CLEVIS

30 E08 PARALLEL CLAMP

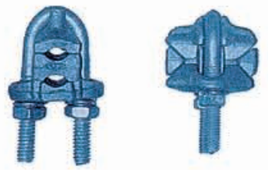
31 E05 BALL Y CLEVIS

32 E07 CLAMP SUSPENSION CLEVIS



Aluminum suspension clamp/
*Ground wire suspension clamp, ductile iron

33 E09 CLAMP LOOP DEAD-END



34 E10 CLAMP HOT LINE

E 1030 AGP E 1030AC

35 E11 ANCHOR SHACKLE

36 E12 CHAIN SHACKLE

37 E13 OVAL EYE NUT

38 E14 BOLT EYE LONG

39 E18 ANGLE BRACKET

Clevis bolt mounted style bracket

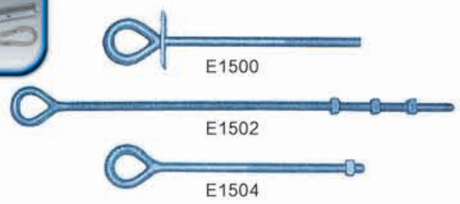
E1858

Clevis bolt

40 F4 SINGLE SPOOL, SECONDARY RACK

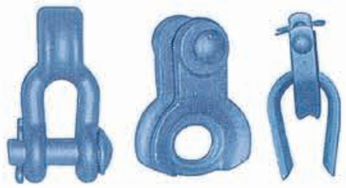
Power Line Fittings

41 E15 SHOULDER EYE BOLT



Shoulder eye bolt / Double arming eye bolt / Oval eye bolt

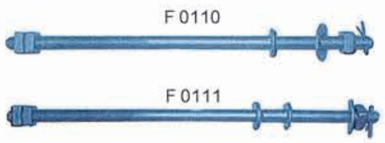
42 E16 THIMBLE CLEVIS



Drop forged / Press steel,2-piece/Malleable iron

43 E17 EYE CLEVIS DEAD-END

44 F01 SPOOL BOLT



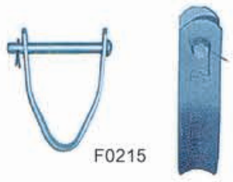
Single upset bolt, 5/8"
Double upset bolt,5/8"

45 F02 CROSS ARM CLEVIS

46 F06 SECONDARY BRACKET

Deadend clevis for 53-2&53-3/
Deadend service clevis for 53-1

47 F02 SECONDARY CLEVIS



Secondary swinging clevis/
Service swinging clevis

48 F05 SECONDARY RACK, EXTENSION RACKET

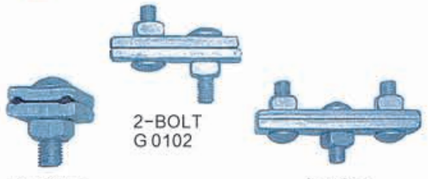
49 F07 SECONDARY PULLEY BRACKET

50 G02 GUY HOOK

51 F03 SECONDARY RACK

Secondary rack, heavy duty(extended back) / Secondary rack, meduim duty / Secondary rack, light duty

52 G01 GUY CLAMP



53 G03 GUY STRAIN PLATE

54 G04 GUY CLIP

55 G07 GUY THIMBLE

Heavy duty-drop forged / Light duty - press forged

56 G05 THIMBLE EYE NUT

Thimble eye nut /
* Twin eye nut

57 G06 FORGED THIMBLE EYE BOLT

58 G09 GUY ATTACHMENT

G 0950

Angle thimble eyelet

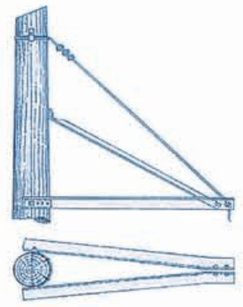
G 0951

straight thimble eyelet

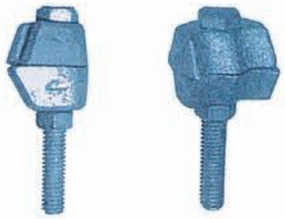
59 G08 GUY ATTACHMENT

Press formed steel /
Drop forged malleable iron hook

60 G11 TRUSS GUY



61 G14 GUY BONDING CLAMP

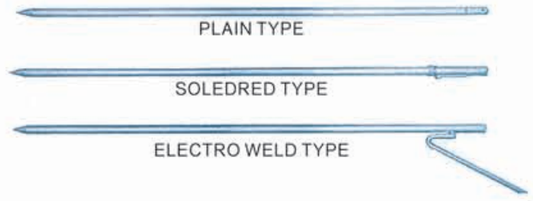


Light guying / Heavy guying

62 G12 ANCHOR ASSEMBLY

Eye dimension 5/8,3/4,1
Thimble Eye,Twin Eeye,Triple Eye

63 H01 GPOUND PODS



64 G10 GUY ATTACHMENT STRALN LNSULATOR

65 G16 ANCHOR EXPANDLNG 8-WAY

66 G18 CROSS-PLATE ANCHOR

67 H02 GROUND POD CLANP

Power Line Fittings

68 G13 ANCHOR ASSEMBLY

Oval eye anchor rod 5/8,3/4

69 G15 FORGED EYE SHAFT SCREW ANCHOR

3/4, 1 Thinble Eye, Twin Eye,Triple Eye

70 G17 PLATY, CROSSARM, REINFORCING

71 H05 STAPLE GROUND WIRE

72 H03 GROUND PLATE POLE BUTT

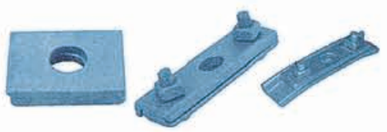
73 H04 GROUND WIRE CLIP

74 I02 FIGURE 8 SUSP ENSION CLAMP

75 I09 WALL BRACKET

76

77 I01 CABLE SUSPENSION CLAMP



I 0104 I 0180 I 0110

78 I03 CABLE MESSENGER HANGER

79 I04 GROUND STRAND CLAMP

80 I05 CROSSOVER CLAMP

81 I06 CABLE REINFORCING LINK

82 I07 WALL STRAP GUY EYE TYPE

83 I08 WALL STRAP LOOP TYPE

84 I11 CABLE EXTENSION ARM

85 I12 CABLE HANGER

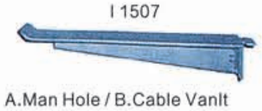
86 I13 PULLING-IN IRON

87 I14 CABLE RACK SUPPORT

88 I15 A.CABLE HOOK RACK

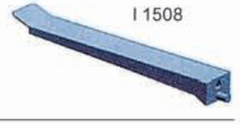
I 1506

I 1507



A.Man Hole / B.Cable Vanlt

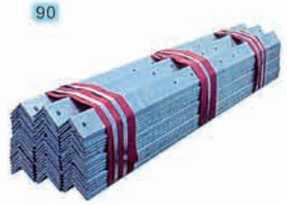
I 1508



89

Square Plate

90



Crossarm

91

Big Groove AL Clamp

92

Big Hook

93

Suspension Set

94

Big Ring 6 bolt Clamp

95

Crossarm

96

Top Angle

97

One way,Two way strap

98

Stay,Block

99

Eye Bolt

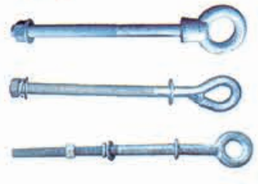
99

Long Strap

100

11KV,33KV Crossarm

101



Eye Bolt

102

Section Crossarm,33KV Channel

Power Line Fittings

103

Insulator Bolt

104

Pilot Spindle

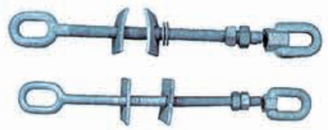
105

Non-Ajustable Stay Rod

106

Ajustable africa stay rod

107



Eye nut and eye bolt

108

Earth Rod with Clamp

109

Pole Top Conductor Fitting

110

Eye Nut

111

Socket thimble

112

Tension Set

113

Terminating Strap

114 Danger Plate

Number Plate

Number Plate

RYB Plate

PC1-1

PC3-1

PC2-1

PC3-2

PC Series Insulation Piercing Connectors

- Connector for street lighting and small consumers house connections up to 10mm²
- Connector for main line current applications
- Suitable for live line tapping into aerial bundle conductor Al-Al or Al-Cu
- Water tight connection withstanding 6kV fashover in water
- Shear head
- Single bolt wide range connector
- Tap conductor may leave either side

- Connector for heavy duty full line current applications
- Suitable for live line-tapping into aerial bundle conductor Al-Al or Al-Cu.
- Water tight connection withstanding 6kV fashover in water
- Double bolts shear head with four contact plates
- Separate caps balance the connector geomet-and yield a low stable contact resitance
- Tap conductor may leave either side

Basic Data

Type	Applicable conductor range (mm²)		BOLTS QTY.
	Main line section	Branch line section	
PC1-1	16-95	1.5-10	1
PC2-1	16-95	4-35	1
PC3-1	25-95	25-95	1
PC4-1	50-185	6-35	1
PC3-2	25-95	25-95	2

BEEP

BE2-95

BE3-95

JBC-1

JBC-2

JBC50-240

1KV Series Products(Low Voltage Series)

Basic Data

Type	Applicable conductor range (mm²)		Nominal current	Outine size	Weight	Piercing depth
	Main line section	Branch line section				
BE756	0.75-6	0.75-6	41	21×27×23	10	1-1.5
BE041	6-10	1.5-6	41	26×39×54	85	1.5-2
BE101	1.5-2.5	1.5-10	55	27×41×62	55	1.5-2
BEEP	16-95	1.5-10	55	27×41×62	55	1-2
BE2-95	16-65	4-35(50)	157	46×52×87	160	1.5-2
BE2-150	50-150	6-35(50)	157	46×52×87	162	1.5-2.5
BE3-95	25-95	25-95	214	50×61×100	198	1.5-2
BE4-150	50-150	50-150	316	50×61×100	219	1.5-2.5
BE6	120-240	25-120	211	52×68×100	360	1.5-2.5
BE7	150-240	10-25	102	52×68×100	336	1.5-2.5
BE40	95-240	95-240	425	83×130×130	1040	1.5-2.5
BE300	300	ANY	425	83×130×130	1040	1.5-2.5
BE400	400	ANY	425	83×130×130	1040	1.5-2.5

Basic Data

Type	Conductor range (mm²)		No. bolt
	Main	Tap	
JBC-1	35-70	6-35	1
JBC-2	35-150	35-150	1
JBC50-240	50-240	50-240	2

Clamp

End Cap

Material: Plastic

Product property: It is used to waterproof and insulate the end of the conductor (0.6/1KV).

Basic Data

Type	Conductor cross-section (mm^2)
PC6-35	6-35
PC35-70	35-70
PC70-95	70-95
PC95-120	95-120
PC120-185	120-185

PC

Insulated Piercing Connector

Material: High strength alloy, anti-UV plastic

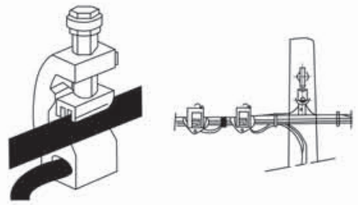
A broad usage in the low voltage insulation lines, leading the branch connection to the main conductor. T-connection of low voltage insulation wire service and cable branch connection for building distribution system. The material for the inside body is high strength aluminum alloy, and the insulation cover is used polyvinyl chloride (PVC). the connectors with specially designed contact teeth, are suitable for the connection of aluminum. Put the main conductor and branch conductor parallel into the teeth grooves of the clamp, tighten the bolts, pierce the insulation of two conductors th make the conductors connect.

The insulation cover functions as waterproof and sealing prefectly.

At the breaking force of the conductor, the connector will not be distorted and broken. At the rated current and short circuit, rising temperature of the connector should be less than the connecting conductor.

Basic Data

Type	Conductor cross-sectoin (mm^2)	
	Main	Tap
PI-71	35-95	4-54
CD-71	35-95	4-54
PC-150	35-150	4-50
P-71	35-95	4-50
P-72	35-95	2×4-50
P-150	70-150	2×4-54
P-151	16-150	6-95



PI-71

CD-71

PC-150

P-71

P-72

P-150

P-151

IPC3.1

IPC3.2

IPC3.3

IPC3.4

Insulation Piercing Connectors

Basic Data

Type	Conductor range (mm^2)		No.bolt
	Main	Tap	
IPC3.1	95-16	25-10	1
IPC3.2	95-70	95-70	1
IPC3.3	185-120	25-16	1
IPC3.4	185-70	185-70	2
TTD121F	95-25	25-2.5	1
TTD151F	95-25	35-(2.5)6	1
TTD201F	95-35	95-25	1
TTD281F	185-50	35-6	1
TT2D82F	95-25	2×(3.5-2.5)	1
TTD451F	240-95	240-95	2

Basic Data

Type	Conductor range (mm^2)	
	Main (Al/Cu)	Tap (Al/Cu)
DCNL-1	10-95	1.5-10
DCNL-2	16-95	4-35
DCNL-3	25-120	25-95
	50-240	50-95
DCNL-4	50-150	4-35
DCNL-5	35-150	35-150
	185-24	50-150

TT2D82F

TTD121F

TTD151F

TTD201F

TTD281F

TTD451F

DCNL-1

DCNL-2

DCNL-3

Clamp

CT-1

CT-2

CT-3

CT-4

Insulation Piercing Connectors

Basic Data

Type	Conductor range (mm^2)	
	Main	Tap
CT-1	6-95	1.5-6
CT-2	6-150	2.5-25
CT-3	6-150	4-35
CT-4	25-150	25-95
CT-5	22-150	16-95
YN-1	6-25	6-25
YN-2	35-70	6--25
YN-3	35-70	35-70
YN-4/2	35-70	35-70
CT-1	25-70	6-35
SMMA-1	16-95	16-25
SMMA-2	70-95	70-95
SMHA	70-185	70-120
CPA	16-70	16-70
DP10	50-70	50-70

CT-5

YN-1

YN-2

YN-3

YN-4

CT-1

SMMA

SMHA

CPA

DP10

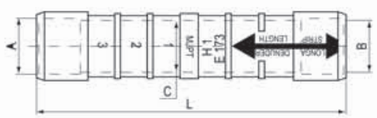
HF-ALM

HF-ALM Supension Clamp

Basic Data

Type	Cross section (mm^2)	Weight (kg)
HF-ALM-25~70	25~70	0.35

MJPT



MJPT Pre-insulated Sleeve

Material: Aluminum alloy

Product property: MJPT is designed to connect the insulated cable (include ABC cable) in acrial distribution network. It is in accordance with NFC33-021. The sleeve is with some tension.

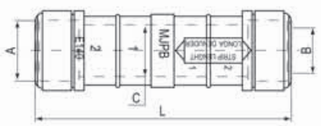
And its cap can prevent the water into the barrel. It is colored differently to distinguish the cable size.

Marked with type. cable size, die size, inner cable length and number of crimping.

Basic Data

Type	Cable size (mm^2)		Plastic sleeve diameter (mm)	Length (mm)
	A	B	C	L
MJPT 16/16	16	16	20	98.5
MJPT 25/25	25	25	20	98.5
MJPT 35/35	35	35	20	98.5
MJPT 50/50	50	50	20	98.5
MJPT 70/70	70	70	20	98.5
MJPT 95/95	95	95	20	98.5

MJPB



MJPB Pre-insulated Sleeve

Material: Al-99.5%

Product property: MJPB is designed to connect the insulated cable (include ABC cable). It is in accordance with NFC33-021. The sleeve is with some tension.

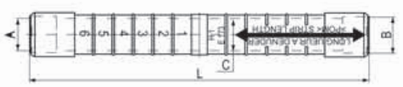
And its cap can prevent the water into the barrel. It is colored differently to distinguish the cable size.

Marked with type. cable size, die size, inner cable length and number of crimping.

Basic Data

Type	Cable size (mm^2)		Plastic sleeve diameter (mm)	Length (mm)
	A	B	C	L
MJPB 6/16	6	16	16	73.5
MJPB 10/16	10	16	16	73.5
MJPB 16/16	16	16	16	73.5
MJPB 16/25	16	25	16	73.5
MJPB 25/25	25	25	16	73.5

MJPN



MJPN Pre-insulated Sleeve

Material: Aluminum alloy

Product property: MJPN is designed to connect the neutral messenger in aerial bundled cable. It is in accordance with NFC33-021. The sleeve is with some tension.

And its cap can prevent the water into the barrel. It is colored differently to distinguish the cable size.

Marked with type. cable size, die size, inner cable length and number of crimping.

Basic Data

Type	Cable size (mm^2)		Plastic sleeve diameter (mm)	Length (mm)
	A	B	C	L
MJPN 54.6/54.6	54.6	54.6	20	172.5
MJPN 54.6/70	54.6	70	20	172.5
MJPN 70/70	70	70	20	172.5
MJPN 95/95D	95	95	25	172.5

Clamp

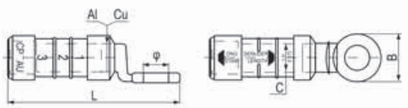
CPTAU Pre-insulated Bimetal Lug

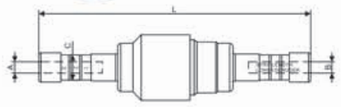
Material: Al-99.5%
Product property: CPTAU is designed to connect the insulated cable (include ABC cable). It is in accordance with NFC33-021.
And its cap can prevent the water into the barrel. It is colored differently to distinguish the cable size.
Marked with type. cable size, die size, inner cable length and number of crimping.

Basic Data

Type	Dimensions (mm)			Length (mm)
	C	B	φ	L
CPTAU 16-10	16	20	10.5	73
CPTAU 25-12	20	24	13	98.5
CPTAU 35-12	20	24	13	98.5
CPTAU 50-12	20	24	13	98.5
CPTAU 54.6-12	20	24	13	98.5
CPTAU 70-12	20	24	13	98.5
CPTAU 95-12	20	24	13	98.5

CPTAU





Pre-insulated Sleeve (with fuse)

Basic Data

Type	Cable Size(mm²)		Plastic Sleeve Diameter(mm)	Length(mm)
	A	B	B	L
MJPF 16/16	16	16	16	174.0
MJPF 16/25	16	25	25	174.0
MJPF 25/25	25	25	25	174.0

BE81

BE82

Anchoring Bracket

Material: High strength aluminlum alloy by casting
Product property: Anchoring ABC cables with neutral missenger on poles (wood, concrete etc.....). excellent in industrial and saline environment. Fixed by 2×(14mm or 16mm) bolts or 2 stainless straps 0.75×20mm. It is in accordance with NFC 33-040,

The universal hook BE96 and BE97 is used with bands in pole installations and with screws in wall installations. The hook is delivered without screws.

BE96

BE97

Anchoring Clamp

Material: Mild steel, nylon plus fber glass
Product property: It is used to terminate 4-core of aerial bundle conductor. Its function is fxing and tightening the insulation conductor.

Basic Data

Type	Conductor cross-section (mm²)
NES-B1	4×16-50
NES-B2	4×25-120
NES-B3	4×25-120
NES-B4	4×95-150

NES-B1

NES-B2

NES-B3

NES-B4

BEZD-1

Fixing Nail

It is in accordance with NFC 33-040

Basic Data

Type	Conductor Range (mm²)
BEZD-1	15-47
BEZD-2	12-47
BEZD-3	15-47

BEZD-2

BEZD-3

BE94

Suspension Clamp

Product property: On poles, in alignment or angle, different level, also provide for hanging a public light bundle.

Basic Data

Type	Conductor Range (mm²)
BE94	16-95
BE95	16-95
1.1A	16-95
1.1B	16-95
ES54-14	16-95
PS1500	16-95
SHC-1	4×16-35
SHC-2	4×120+50
SHC-3	4×50-70
SHC-4	4×50-70
SHC-5	4×70-95
SHC-6	4×70-95

BE95

1.1A

1.1B

ES54-14

PS1500

SHC-1

SHC-2

SHC-3

SHC-5

SHC-6

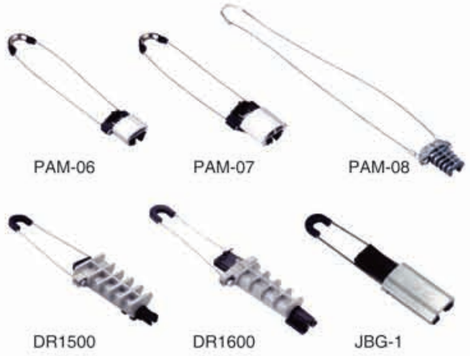
Clamp

Anchoring Clamp

Material: High strength aluminium alloy, nylon plus fber glass, stainless steel
Product property: They are characterized by high mechanical stabilith, reduced dimensions for easier handling, high mechanical and climatic resistance. Cable gripping device in insulating matireal ensures the double insulation of the neutral core and avoids damage to sheath, secured parts, no tools required. Stainless steel bail with two marbles compressed on the end, the is conception allows an easier locking on the body of the clamp. They are in accordance with NFC 33-041

Basic Data

Type	Cross-section (mm^2)
PAM-06	16-20
PAM-07	16-25
PAM-08	16-25
DR1500	54.6-70
DR1600	54.6-70
JBG-1	54.6-70



Anchoring Clamp

Material: Nylon plus fber glass
Product property: They plastic anchoring clamp is suitable for insulated low-voltage ABC cable. It is also suitable for multiple conductors.
Easy installation and perfect insulated function. It is in accordance with the NFC 33-042.

Basic Data

Type	Cross-section (mm^2)
STA	1×10/1×16
STB	2×16/2×25
STC	4×16/4×25
STD	1×16/1×70
LA1	4×16/4×25
LA2	2×6/2×16
DCR-1	2×4/4×25
DCR-2	2×4/4×25
2.1	16-25
PA1500	25-50
PA2000	54.6-70

APDM160

APDM160-Single Phase Switch for NH Type Fuses up to 160A

The APDM160 fuse swith it is used either as an operation or protection device for LV lines. It is designed to be used with NH 00 size fuses offering a maximum of 160 Amps of line protection without blades.
In case blades are used, the maximum switching load would be 250A. It is maufactured in reinfored fiberglass polyamide and fulfills all the neccssary requirements for outdoor installation and operation.
In the APDM 160C model the connection is made ith connectors suitable ofr alumiinum and copper conductors with a section range between 16 and 95 mm^2 (5-4/0AWG).
The APDM160 model can also be connected with terminals lugs and both models can be installed with single phase or three opening.
They have special sockets to obtain a compact set.
The switch is operated from the ground with an operating rod and also has an indicator to show if the fuse is placed. It can be sealed with security ties.
It also has a led to show the fusion of the fuse.

Thcnical Characteristics

Voltage	500V
Insulation level	1000V
Frequency	50/60Hz
Operational current with fuses	160A
Operational current with baldes	250A
Installation category	AC22
Short lasting current (1s)	3.2KA
Dynamic current (crest)	25KA
Interruption capacity	100KA
Minimum mechanical life (operation)	1000
Weight	600G
Protection range	IP23

Connection Setail IP23

Terminal Connection

Connector Connection

Clamp

APDM630

SMF-3(160A-400A)

APDM630-Single Phase Switch for NH Type Fuses up to 630A

The APDM630 fuse swith it is used either as an operation or protection device for LV lines. It is designed to be used with NH 1-2 or 3 size fuses offering a maximum of 630 Amps of line protection without blades.

In case blades are used, the maximum switching load would be 800A.

It is maufactured in reinfored fiberglass polyamide and fulfills all the neccssary requirements for outdoor installation and operation.

In the APDM 160C model the connection is made ith connectors suitable ofr alumiinum and copper conductors with a section range between 16 and 95 mm^2 (5-4/0AWG).

The closure of the cap allows the switch to be closed with or without a fuse, preventing the risk of leaving tension parts exposed. It may also be provided with a light emission diode (LED)

Technical Specification

Voltage	500V
Insulation level	1000V
Frequency	50/60Hz
Operational current with fuses	630A
Operational current with baldes	800A
Installation category	AC22
Short lasting current (1s)	12KA
Dynamic current (crest)	50KA
Interruption capacity	100KA
Minimum mechanical life (operation)	1000
Weight	1.8kg
Protection range	IP23

APDM160

APDM630

APDM630-3-Four Phase Switch for NH Fuses up to 630A, With Three Phase Operation

This model is suitable for switching and protecting LV overhead lines, and/or to include a protection doing a connection to low voltaeg underground systems.

The design of this equipment allows the opening and closing of the three phases simultaeously and independently from the neutral, which is clearly identified to prevent its disconnection in rigidly landed systems. If required, it can be easily transformed in a single phase operation swith as the standard model APDM 630.

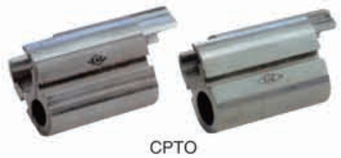
It can be connected with terminals lugs (APDM630-3) or directly with its connectors (APDM630-3C),

Each phase and the neutral have an indicator which show if the fuse or the blade are installed. The closure of the cap allows the switch to be closed with or without the fuse previting the risk of leaving live parts exposed.

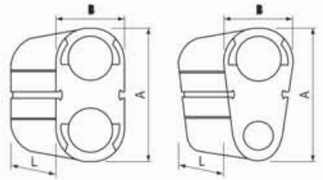
It can also be proviede with a led to show the fusion of the fuses.

Technical Specification

Voltage	500V
Insulation level	1000V
Frequency	50/60Hz
Operational current with fuses	630A
Operational current with baldes	800A
Installation category	AC22
Short lasting current (1s)	12KA
Dynamic current (crest)	50KA
Interruption capacity	100KA
Operations behavior without load (oper)	800
Operations behavior (operation) (400A Cos f 0, 65)	200
Weight	1.8kg
Protection range	IP23



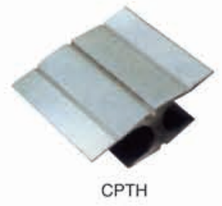
CPTO



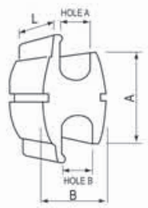
Connector Press CPTO Type

Basic Data

Type	Hole1 mm^2	Hole2 mm^2	Dimensions (mm)		
			A	B	L
CPTO 10-16/10-16	10-16	10-16	18.8	10.5	35.3
CPTO 10-35/10-16	25-35	10-16	22.8	14.5	37.7
CPTO 10-35/16-35	25-35	25-35	26	14	38.6
CPTO 50-70/10-16	50-70	10-16	29.5	19.5	37
CPTO 50-70/16-35	50-70	25-35	28.4	20	38
CPTO 50-70/50-70	50-70	50-70	33.8	20	45.5
CPTO 70-150/50-70	70-150	50-70	44	23.6	60.3
CPTO 70-150/70-150	70-150	70-150	49	23.6	60.3
CPTO 150-240/70-150	150-240	70-150	54.8	30.3	65
CPTO 150-240/150-240	150-240	150-240	62.4	30.3	75.5



CPTH



Connector Press CPTH Type

Basic Data

Type	Hole1 mm^2	Hole2 mm^2	Dimensions (mm)		
			A	B	L
CPTH 35-35	16-35	16-35	17.5	23.8	38
CPTH 70-70	35-70	35-70	20.6	30.5	47
CPTH 120-120	70-120	70-120	22.7	36.5	52
CPTH 70-150	35-150	70-150	23	34.5	70
CPTH 150-150	70-150	70-150	25.4	39.5	70
CPTH 70-240	35-70	120-240	28	42	90
CPTH 150-247	70-150	120-240	32	46	90
CPTH 240-240	120-240	120-240	32	52	90
CPTH 300-300	150-300	150-300	32	52	100

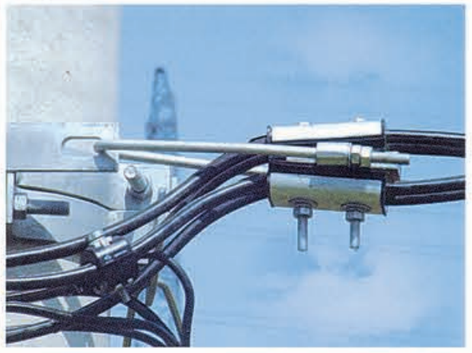
CPTG

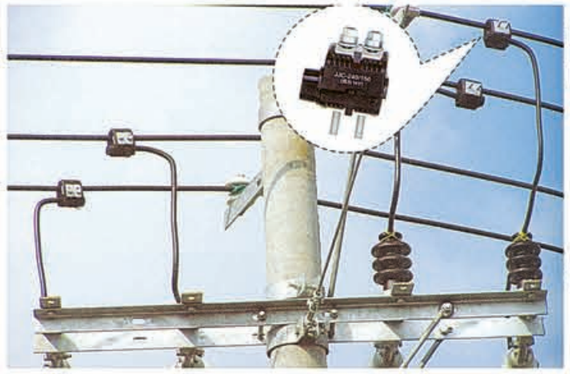
Connector Press CPTG type

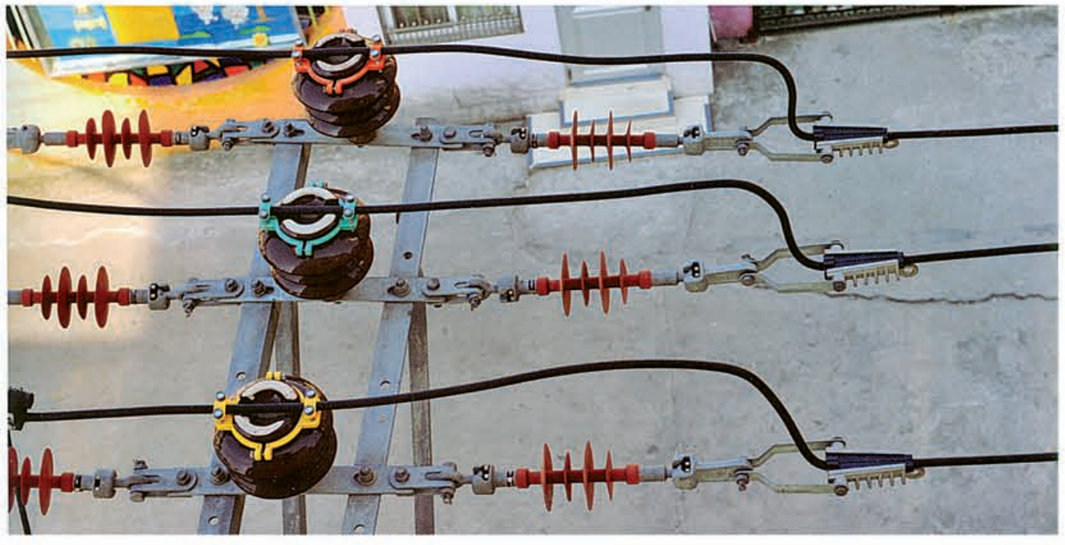
Basic Data

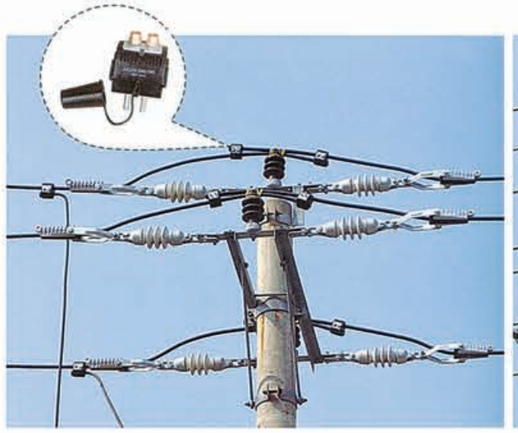
Type	Hole1 mm^2	Hole2 mm^2	Dimensions (mm)		
			A	B	L
CPTG 10-16/10-16	16-35	16-35	17.5	23.8	38
CPTG 16-35/10-16	16-35	35-70	17.8	26	46
CPTG 16-35/16-35	35-70	35-70	20.6	30.5	47
CPTG 50-70/10-16	70-120	70-120	22.7	36.5	52
CPTG 50-70/16-35	35-150	70-150	23	34.5	70
CPTG 50-70/50-70	70-150	70-150	25.4	39.5	70
CPTG 70-150/50-70	35-70	120-240	28	42	90
CPTG 70-150/70-150	70-150	120-240	32	46	90
CPTG 150-240/70-150	120-240	120-240	32	52	90
CPTG 150-240/150-240	150-300	150-300	32	52	100

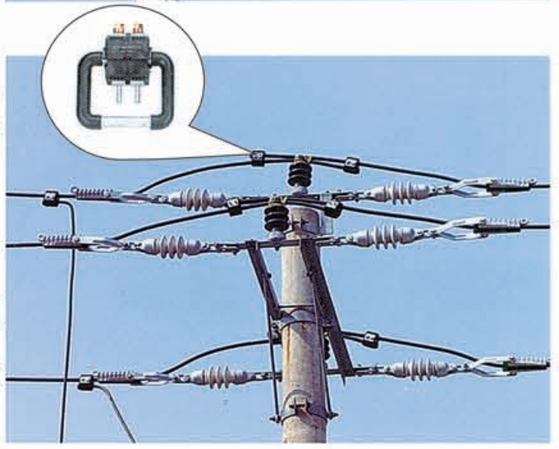
Clamp



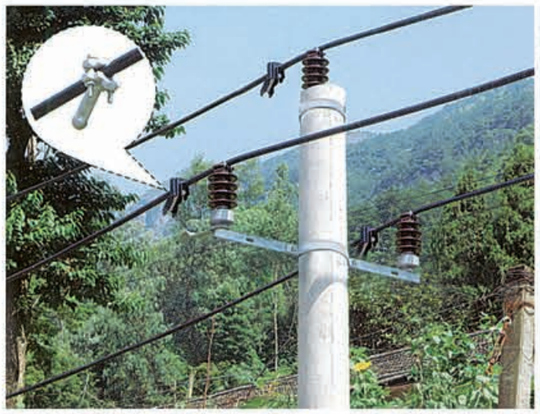


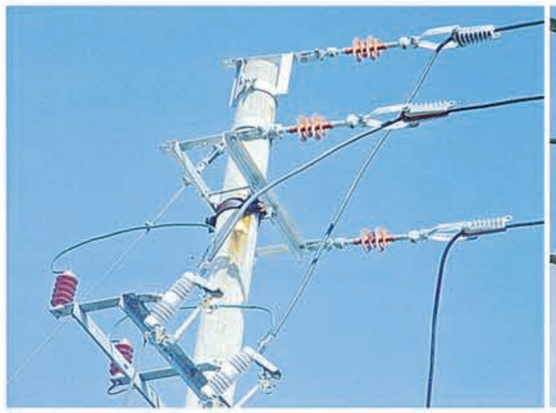


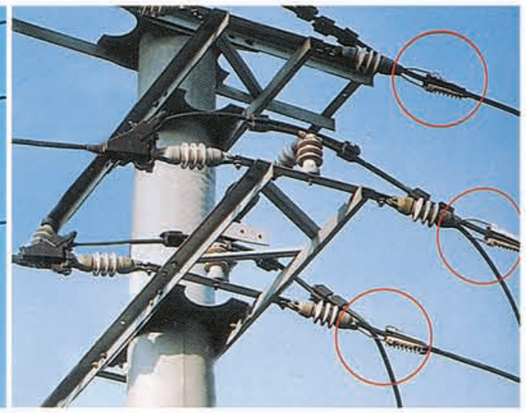




F. Clamp







1KV. 11KV. 33KV Series Heat-shrinkable Cable Accessories (Termination Kit)

XG (phase-color tube)

WRSG1(sealing tube)

WRSG(insulation tube)

JF(3-hole breakout)

YRSG(stress control tube)

SQ(three-hole rain shed)

DQ(single-hole rain shed)

(installation accessories)

General

1KV. 11KV. 33KV series heat-shrinkable cable termination kit and joints have the function of water-proof, stress control and insulation. With the excellent electrical and mechanical function, they can be used in all kinds of conditions for a long time.With light weight and easy mounting , they are widely used in power supply , and petrochemicals, metallurgy, railway station, sea port and other construction

1. Cable lug
2. Sealing tube
3. Phase-color tube
4. Rain shed
5. Insulation tube
6. Stress control tube
7. 3-Hole breakout

Cable Terminal & Joint

11KV 1-Core Joint

Basic Data

Item	Mode & specification	The applicable cable section
1-core joint	JSY-11/1 · 1	25-50
	JSY-11/1 · 2	70-120
	JSY-11/1 · 3	150-240
	JSY-11/1 · 4	300-400

11KV 3-Core Joint

Basic Data

Item	Mode & specification	The applicable cable section
3-core joint	JSY-11/3 · 1	25-50
	JSY-11/3 · 2	70-120
	JSY-11/3 · 3	150-240
	JSY-11/3 · 4	300-400

24KV 1-Core Joint

Basic Data

Item	Mode & specification	The applicable cable section
1-core joint	JSY-24/1 · 1	25-50
	JSY-24/1 · 2	70-120
	JSY-24/1 · 3	150-240
	JSY-24/1 · 4	300-400

24KV 3-Core Joint

Basic Data

Item	Mode & specification	The applicable cable section
3-core joint	JSY-24/3 · 1	25-50
	JSY-24/3 · 2	70-120
	JSY-24/3 · 3	150-240
	JSY-24/3 · 4	300-400

33KV 1-Core Joint

Basic Data

Item	Mode & specification	The applicable cable section
1-core joint	JSY-33/1 · 1	50-120
	JSY-33/1 · 2	150-300
	JSY-33/1 · 3	400-500

33KV 3-Core Joint

Basic Data

Item	Mode & specification	The applicable cable section
3-core joint	JSY-33/3 · 1	50-120
	JSY-33/3 · 2	150-300
	JSY-33/3 · 3	400-500

Spring

Woven copper belt

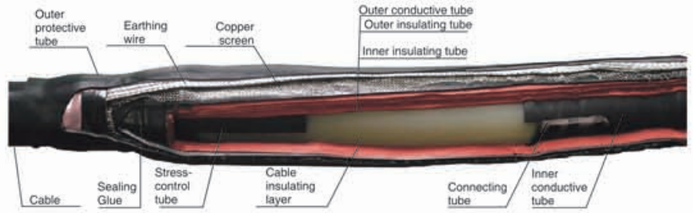
Installation accessories

Water-proof belt

Copper screen net

Armour

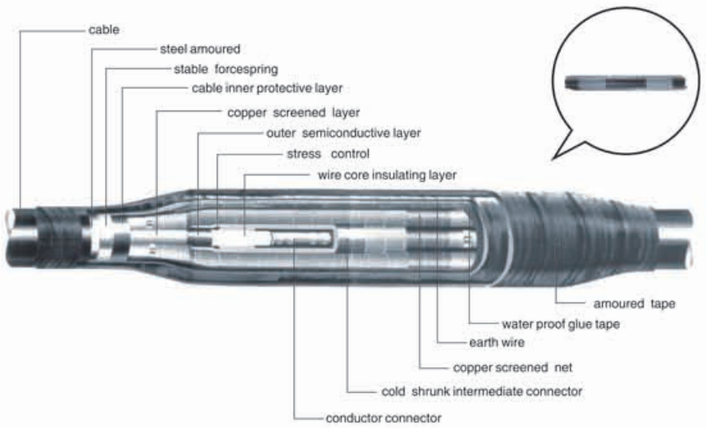
11KV, 24KV, 33KV Series Joint



Characteristic

11KV Cold Shrinkable Joint

Characteristic



Cable Terminal & Joint

3-Core Cold Shrinkable Termination Kit

Phase colour tube

Main insulation tube

Protective cover

Three-hole breakout

Accessories for cleaning

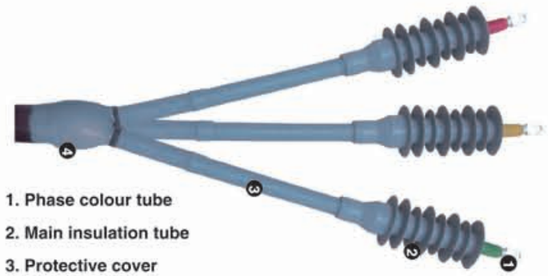
Installation accessories

Convenient Installation

Shrink technique, no need to use fire or special tool, no need to joint or bind copper wire, spring earthing. It can save labour force, time and space, every set of products are packed with installation introduction.

Broad Application

The cold shrink termination is made by special pre-expand technology, even one kind of specification can fit for many kinds of cable wire dimension with good compatibility. For the structure it is prefab compact designed, making a complete line of stress control tube, rain shed and insulation tube. Up to now, we have possessed complete series of 33KV (others less than 35KV) the cold shrink termination fit for different variety of insulated cables such as polythene cable and XLPE polythene cable, etc. Applicable for bridge stand, embedding and trollywire and so on. The silasticma-terials indicate large use range for the cold shrink termination.



1. Phase colour tube
2. Main insulation tube
3. Protective cover
4. Three-hole breakout

11KV Cold Shrinkable Termination Kit

Basic Data

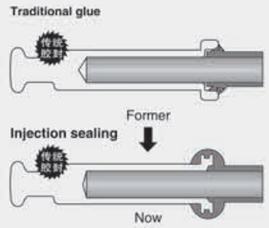
Item	Specification	Applicable cable section(mm^2)
(1-core)Indoor termination kit	Full cold shrinkable type NLS-11/1.□	Full shrinkable type is divided into 5specification with cable section area code. " 1 " is 25~50," 2 " is70~95; " 3 " is120~150;" 4 " is 185~240; " 5 " is300~400;
(1-core)Outdoor termination kit	Full cold shrinkable type WLS-11/1.□	
(3-core)Indoor termination kit	Full cold shrinkable type NLS-11/3.□	
(3-core)Outdoor termination kit	Full cold shrinkable type WLS-11/3.□	

33KV Cold Shrinkable Termination Kit

Basic Data

Item	Specification	Applicable cable section(mm^2)
(1-core)Indoor termination kit	Full cold shrinkable type NLS-33/1.□	Full shrink type is divided into 5 specification with cable section area code. " 1 " is 25~50, " 2 " is70~120; " 3 " is150~240; " 4 " is 300-500;
(1-core)Outdoor termination kit	Full cold shrinkable type WLS-33/1.□	
(3-core)Indoor termination kit	Full cold shrinkable type NLS-33/3.□	
(3-core)Outdoor termination kit	Full cold shrinkable type WLS-33/3.□	

Insulators



Silicon rubber with fine formulas have good waterproof and leakage withstand ability.

The fittings made by special steel, together with advanced compression technique, ensuring the stability and accurate of insulators

With advanced producing equipments and methods, inspection means as well, our composite insulators reach up to the domestic and intemational standard, becoming the important and necessary insulator products in the high-voltage distribution line.

1.End Fitting: The fitting connection adopts the zinc cover protection, supersonic monitor and coaxial constant compression controlled by computer, finished with good appearance and high quality.

2.The silicon rubber rain shed, designed according to the aerodynamics principle, use the whole-molding metyod, to make sure the validity of total creepage distance under every climate and nasty conditions, as well as improve the pollution discharge of the insulators.

3.The average thickness of protective cover ⩾5mm. comply with IEC standard.

4.Fiber rod: uses the ECR high-temperature and acid-proof fiber rod.

5.The end fitting uses maze type waterproof desigh, and out-cover rubber process, which enhanced the product waterproof greatly.

Suspension Composite Insulator

FXBW4 (S-B Series)

Basic Data

Type	Rated voltage (KV)	Rated failing Load (KN)	Section length (mm)	Dry arcing distance (mm)	Minium creepage distance (mm)
FXBW4-1/70	10	70	390 ± 15	100	200
FXBW4-10/100	10	100	430 ± 15	190	250
FXBW4-24/70	24	70	460 ± 15	260	700
FXBW4-24/100	24	100	500 ± 15	260	700
FXBW4-35/70	35	70	450 ± 15	450	1015
FXBW4-66/70	66	70	910 ± 15	700	1900
FXBW4-66/100	66	100	950 ± 15	700	1900
FXBW4-110/70	110	70	1225 ± 15	700	1900
FXBW4-110/100	110	100	1205 ± 15	1000	3150
FXBW4-110/160	220	160	1345 ± 30	1000	3160
FXBW4-220/70	220	70	2200 ± 30	1900	6300
FXBW4-220/100	220	100	2240 ± 30	1900	6300
FXBW4-220/160	220	160	2240 ± 30	1900	6300
FXBW4-330/100	330	100	3080 ± 40	2600	9075
FXBW4-330/160	330	160	3150 ± 40	2600	9075

FXBU4 (T-C Series)

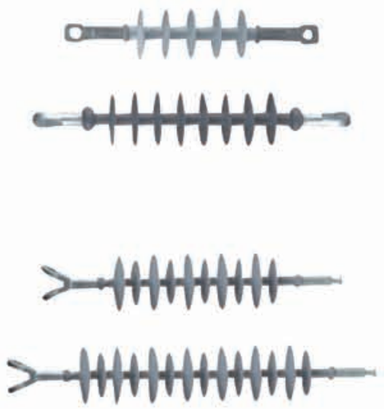
Basic Data

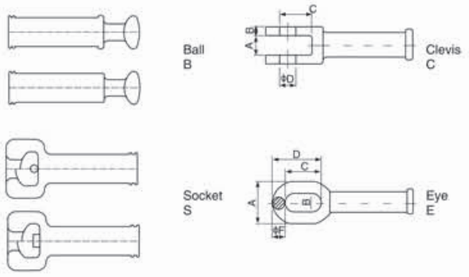
Type	Rated voltage (KV)	Rated failing Load (KN)	Section length (mm)	Dry arcing distance (mm)	Minium creepage distance (mm)
FXBU4-10/70	10	70	390 ± 15	100	200
FXBU4-10/100	10	100	430 ± 15	190	250
FXBU4-24/70	24	70	460 ± 15	260	700
FXBU4-24/100	24	100	500 ± 15	260	700
FXBU4-35/70	35	70	650 ± 15	450	1015
FXBU4-35/100	35	100	680 ± 15	450	1015

FXBUW4 (E-E Series)

Basic Data

Type	Rated voltage (KV)	Rated failing Load (KN)	Section length (mm)	Dry arcing distance (mm)	Minium creepage distance (mm)
FXBOW4-10/70	10	70	390 ± 15	100	200
FXBOW4-10/100	10	100	430 ± 15	190	250
FXBOW4-24/70	24	70	460 ± 15	260	700
FXBOW4-24/100	24	100	500 ± 15	260	700
FXBOW4-35/70	35	70	650 ± 15	450	1015
FXBOW4-35/100	35	100	680 ± 15	450	1015





FXBD4 (T-T Series)

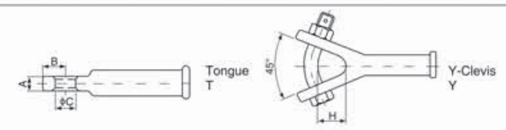
Basic Data

Type	Rated voltage (KV)	Rated failing Load (KN)	Section length (mm)	Dry arcing distance (mm)	Minium creepage distance (mm)
FXBD4-10/70	10	70	390 ± 15	100	200
FXBD4-10/100	10	100	430 ± 15	190	250
FXBD4-24/70	24	70	460 ± 15	260	700
FXBD4-24/100	24	100	500 ± 15	260	700
FXBD4-35/70	35	70	650 ± 15	450	1015
FXBD4-35/100	35	100	680 ± 15	450	1015

FXBYW4 (Q-Y Series)

Basic Data

Type	Rated voltage (KV)	Rated failing Load (KN)	Section length (mm)	Dry arcing distance (mm)	Minium creepage distance (mm)
FXBYW4-10/70	10	70	390 ± 15	100	200
FXBYW4-10/100	10	100	430 ± 15	190	250
FXBYW4-24/70	24	70	460 ± 15	260	700
FXBYW4-24/100	24	100	500 ± 15	260	700
FXBYW4-35/70	35	70	650 ± 15	450	1015
FXBYW4-35/100	35	100	680 ± 15	450	1015
FXBYW4-66/120	66	120	700 ± 15	700	1900
FXBYW4-110/160	110	160	1240 ± 15	1000	3150



Pin Insulator

Basic Data

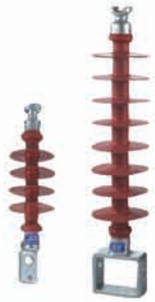
Type	Rated Voltage (kV)	Rated Mechanical Bending Load (kN)	Section length (mm)	Dry arcing distance (mm)	Min. creepage distance Lc. (mm)
FPQ-10/4T20	10	4	223	135	310
FPQ4-10/4T20	10	5	260	165	460
FPQ-20/12.5	20	12.5	370	265	700
FPQ-36/6	36	6	460	350	980

Basic Data

Type	Rated Voltage (kV)	Rated Mechanical Bending Load (kN)	Section length (mm)	Dry arcing distance (mm)	Min. Creepage Distance Lc. (mm)
FPW-10/9	10	9	235	95	292
FPW-24/8	24	8	260	115	438
FPW-35/6	35	6	378	224	769

Order Notice: 1. Size of supporting screw cap
2. Whether tension disc is required

Insulator



Post Insulator

Basic Data

Type	Rated Voltage (kV)	Rated Mechanical Bending Load (kN)	Section length (mm)	Dry arcing distance (mm)	Min. Creepage Distance Lc. (mm)
FZS-12/4	12	4	215	135	340
FZS-24/9	24	9	250	170	450
FZSW-40.5/5	40.5	5	445	355	1015
FZSW-72.5/8	72.5	8	770	630	2100
FZSW-126/10	126	10	1220	1050	3500
FZSW-252/10	252	10	2440	2100	6500

Order Notice:
1. Specifications, models and amounts of the products shall be indicated when putting the order.
2. The size and dimension of the installation hole shall be indicated.

Post Composite Insulator

Basic Data

Type	Rated voltage (KV)	Rated failing Load (KN)	Section length (mm)	Dry arcing distance (mm)	Minium creepage distance (mm)
	35	15	510 ± 15	450	1015

Cross Arm Composite Insulator

Basic Data

Product Model	Rated Voltage (kV)	Rated Mechanical Bending Load (kN)	Section length (mm)	Dry arcing distance (mm)	Min. Creepage Distance Lc. (mm)
FS-10/5	10	5	390	200	460
FS4-35/5	35	5	620	480	1100
FS-66/8	66	8	780	600	1900
FS-110/10	110	10	1240	1050	3500

Order Notice: 1. Size of supporting screw cap
2. Whether tension disc is required

Dry Type Composite Sleeve

Basic Data

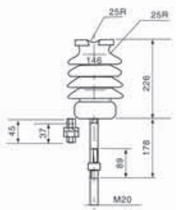
Product Model	Rated Voltage (kV)	Rated current (A)	Bending break load(N)	Permitted bending load(N)
FCGW-12/200~1600	10	200~1600	1250	625
FCGW-40.5/600~3000	35	600~3000	1250	625
FCGW-72.5/600~3000	66	600~3000	1250	625
FCGW-126/600~3000	110	600~3000	1250	625

Order Notice: 1. Size of supporting screw cap
2. Whether tension disc is required

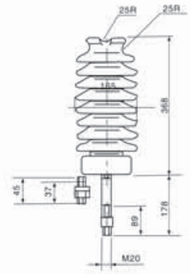
Porcelain Post Insulator For High Voltage

Basic Data

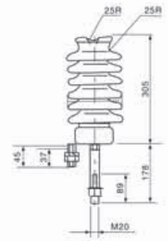
ANSI Class	57-1S 57-1L	57-2S 57-2L	57-3S 57-3L	57-4S 57-4L	57-5S 57-5L
Creepage distance(mm)	356	559	737	1015	1143
Drt arcing distance(mm)	165	241	311	368	438
Cantilever strenght(kn)	12.5	12.5	12.5	12.5	12.5
Low frequency dry flash over(KV)	80	110	125	150	175
Low frequency wet flash over(KV)	60	85	100	125	150
Critical impulse flashover, Positive(KV)	130	180	210	255	290
Critical impulse flashover, Negative(KV)	155	205	260	340	380
Test voltage to ground(KV)	15	22	30	44	44
Maximum RIV at 1000 KHZ(UV)1000KHZ	100	100	200	200	200
Net weight each approx(kg)	5.0	9.5	11	16	15
Number in standard package	6	3	3	2	2



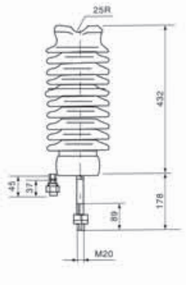
57-2S&1L



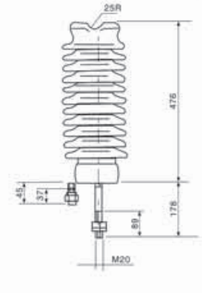
57-3S&3L



57-2S&2L



57-4S&4L



57-5S&5L

Porcelain Stay Insulator

Basic Data

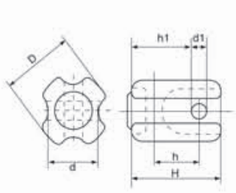


Fig1

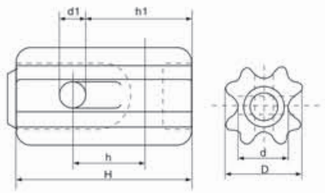


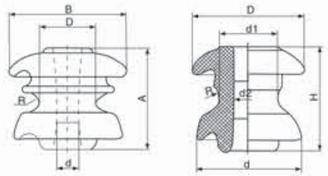
fig2

Insulator

Porcelan Shackle Insulator

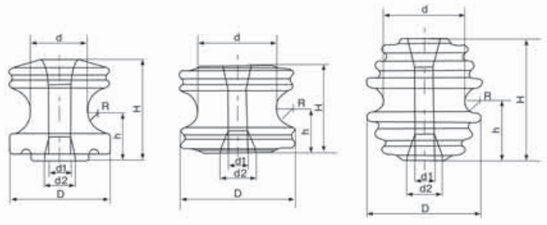
Basic Data

Type	Dimensions (mm)						Mechanical failing load (kg)	Power frequency flashover voltage(KV)		Weight (kg)
	H	D	d	d1	d2	R		Dzy	Wet	
ED-1	90	100	95	50	22	12	1200	22	10	0.75
ED-2	75	80	75	42	20	10	1000	18	9	0.40
ED-3	65	70	65	36	16	8	800	16	7	0.25
ED-4	50	60	55	30	16	6	500	14	66	0.15
ED-2(B)	76/3 "	89/3½"	83/3⅜"	48/1½"	21/⅛"	10/⅜"	1300	-	-	0.48
ED-2(B)1	76/3 "	89/3½"	83/3⅜"	48/1½"	17.5/⅛"	10/⅜"	1300	-	-	0.50
ED-2(C)	86/3⅜"	86/3⅜"	-	50/2	22/⅞"	6/¼"	1350	25	12	0.47



Spool Insulator

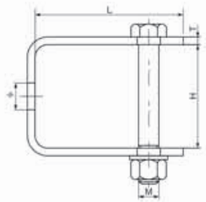
Basic Data



D-Iron Plate

Basic Data

Type	Main dimensions				
	T	H	L	ϕ	M
D-6.4×38×69×104	6.4	69	104	18	M16
D-5×40×85×110	5	40	110	18	M16
D-6×38×81×122	6	38	122	18	M16
D-6×40×70×105	6	40	84	18	M16
D-4×40×88×110	4	40	110	18	M16



Pin Insulator For High Voltage

Basic Data

fig		1	1	2	2	3
class ANSI		56-1	56-2	56-3	56-4	56-5
main dimensions	H	146	165	191	241	318
	h	50.8	50.8	50.8	50.8	63.5
	D	191	228	267	305	343
	d	34.9	34.9	34.9	34.9	34.9
	d1	19	19	19	19	19
	R_2	14	14	14	14	14
Nominal voltage(KV)		23	23	35	46	69
Creepage distance(mm)		330	430	533	685	865
Power-frequency	Dry	95	110	125	140	175
	Wet	60	70	80	95	125
Average flashover voltage Critical-impulse 15 x 40 μ s wave	Positive	150	175	200	225	270
	Negative	190	225	265	310	340
Radio-influence -voltage data	Test voltage to ground (KV)	15	22	30	30	44
	Macimum riv at 1000khz(μ v)	100	100	200	200	200
Low-frequency puncture voltage average(KV)		130	145	165	186	225
Dry arcing distance (mm)		178	210	241.3	285	356
Cantilever failing load(kn)		1134	1360	1360	1360	1360
Weight (kg)		3.7	5.3	7	10.8	13.5

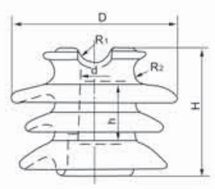


Fig1

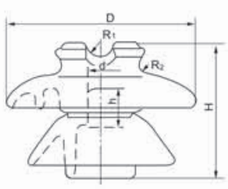
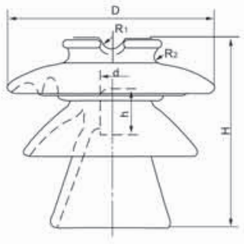


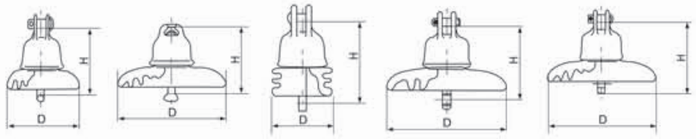
Fig2



Porcelain Disc Insulator For High Voltage

Basic Data

Fig			1	2	3	4	3	4	5	4
Class ANSI			52-1	52-2	52-3	52-4	52-5	52-6	52-9	52-10
Main dimensions		D	165	190.5	254	254	254	254	114	2794
		H	139.7	146	146	146	146	146	160	165
creepage distance(mm)			178	210	292	292	279	279	171	279
power-frequency puncture voltage(KV)			80	90	110	110	110	110	80	110
Average flashover voltage	Power-frequency	Dry	60	65	80	80	80	80	60	80
		Wet	30	35	50	50	50	50	30	50
	Critical-impulse 15 x 40 μ s wave	Positive	100	115	125	125	125	125	90	125
		Negative	100	115	130	130	130	130	100	130
Radio-influence -voltage data	Test voltage to ground (KV)		7.5	7.5	10	10	10	10	7.5	10
	Macimum riv at 1000khz (μ v)		50	50	50	50	50	50	50	50
Electromechanical failing load(kn)			44	67	67	67	111	111	44	160
Mechanical pressure strength(n.m)			5	5.5	5.5	6	7	7	5	10
Time load test (kn)			27	44	44	44	67	67	27	107



Porcelain Disc Suspension Insulator (General Type)

Basic Data

Profile	Type	Minimum mechanical failing load (kN)	Nominal dameter D(mm)	Spacing P (mm)	Nominal creepage distance (mm)	※2 Standard oupling	Approx.net weight (kg)	※3 Power frequency withstand voltage(kV)		Dry,lightning impulse withstand volage(kV)	Puncture withstand voltage (kV)
								Dry,one minute	Wet,one minute		
Standard profile	U40B	40	175	110	190	11	2.0	55	30	75	90
	U70BS	70	255	127	320	16	3.8	70	40	100	130
	U70BL	70	255	146	320	16	3.85	70	40	100	130
	U100BS	100	255	127	320	16	4.1	70	40	100	130
	U100BL	100	255	146	320	16	4.2	70	40	100	130
	U120B	120	255	146	320	16	4.3	70	40	100	130
	U160BS	160	280	146	400	20	6.3	75	45	110	130
	U160BM	160	280	155	400	20	6.4	85	50	125	130
	U160BL	160	280	170	400	20	6.7	75	45	110	130
	U210B	210	280	170	400	20	7.0	75	45	110	130
	U240B	240	280	170	400	20	7.5	75	45	110	130
	U300B	300	330	195	490	24	10.7	85	50	130	130
	U420B	420	380	205	550	24	14.8	90	55	140	140
	U530B	530	380	240	600	32	19.2	90	55	140	140
	U550B	550	380	240	600	32	19.2	95	55	140	130

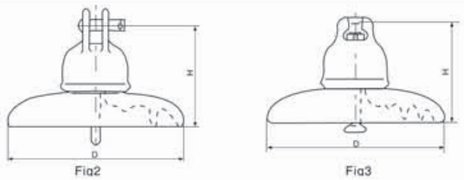
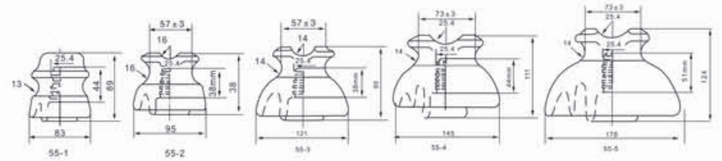


Fig2 Fig3

Pin Insulator For High Voltage

Basic Data

Class ANSI	55-1	55-2	55-3	55-4	55-5
Creepage distance(mm)	102	127	178	229	305
Dry arcing distance(mm)	57	86	114	127	159
Cantileven strength(KN)	13	11	11	13	13
Low frequency dry flashover voltage(KV)	35	45	56	65	80
low frequency wet flashovervoltage(KV)	20	25	30	35	45
Critical impulse flashover, positive(KV)	50	70	90	105	130
Critical impulse flashover,negative(KV)	70	85	110	130	150
Power-frequency puncture voltage(KV)	5	70	90	95	115
Test voltage to ground (KV)	50	5	10	10	15
Maximum riv at 1000khz(μ v)	0.5	50	50	50	100
Net weight each approx (kg)	60	0.65	1	1.55	2.75
Number in standard package		40	30	16	12



55-1 55-2 55-3 55-4 55-5

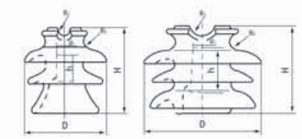


Fig1 Fig2

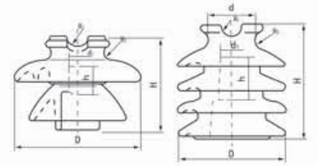


Fig3 Fig4

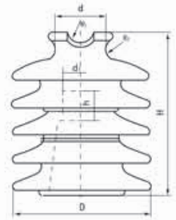
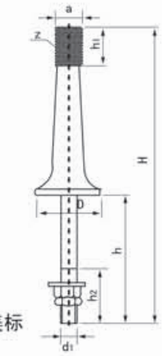


Fig5

BS High Voltage Pin Type Insulatore

Insulator

ANS & BS Spindle of Pin Type Insulators for high voltage



ANSI美标

Fig1

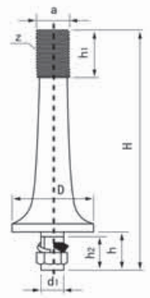
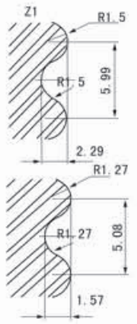


Fig2



BS英标

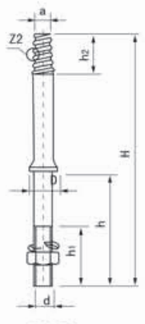


Fig3

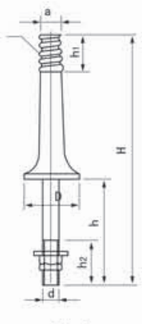


Fig4

Polymeric HousedMetal-oxide Surge Arrester Without Gaps Nominal Discharge Current 5 KA(Export)

3KV

Basic Data

Type	MOA rated voltage (KV)	MCOV (KV)	Current impulse residual voltage			2ms rectangular current impulse with stand	4/10 μ s high current impulse with stand
			1/4 μ s steep current impulse (KV)	8/20 μ s lightning current impulse (KV)	30/60 μ s switching current impulse (KV)		
YH5W-3	3	2.55	11.3	9	8.9	150	65
YH5W-6	6	5.1	22.6	18	16.8	150	65
YH5W-9	9	7.65	33.7	27	23.8	150	65

15KV

Basic Data

Type	MOA rated voltage (KV)	MCOV (KV)	Current impulse residual voltage			2ms rectangular current impulse with stand	4/10 μ s high current impulse with stand
			1/4 μ s steep current impulse (KV)	8/20 μ s lightning current impulse (KV)	30/60 μ s switching current impulse (KV)		
YH5W-10	10	8.4	36	30	23	150	65
YH5W-11	11	9.4	40	33	30	150	65
YH5W-12	12	10.2	42.2	36	27	150	65
YH5W-15	15	12.7	51	45	38.5	150	65
YH5W-18	18	15.3	61.5	54	46.2	150	65

24KV

Basic Data

Type	MOA rated voltage (KV)	MCOV (KV)	Current impulse residual voltage			2ms rectangular current impulse with stand	4/10 μ s high current impulse with stand
			1/4 μ s steep current impulse (KV)	8/20 μ s lightning current impulse (KV)	30/60 μ s switching current impulse (KV)		
YH5W-21	21	17.0	71.8	63	54.2	150	65
YH5W-24	24	19.5	82	72	62	150	65
YH5W-27	27	22.0	92	81	69.8	150	65

33KV

Basic Data

Type	MOA rated voltage (KV)	MCOV (KV)	Current impulse residual voltage			2ms rectangular current impulse with stand	4/10 μ s high current impulse with stand
			1/4 μ s steep current impulse (KV)	8/20 μ s lightning current impulse (KV)	30/60 μ s switching current impulse (KV)		
YH5W-30	30	24.4	102	90	79	150	65
YH5W-33	33	27.5	112	99	86.7	150	65
YH5W-36	36	29.0	123	108	92.4	150	65

Surge/Lightning Arrester

Polymeric Housed Metal-oxide Surge Arrester Without Gaps Nominal Discharge Current 10KA(Export)

3KV

Basic Data

Type	MOA rated voltage (KV)	MCOV (KV)	Current impulse residual voltage			2ms rectangular current impulse with stand	4/10 μ s high current impulse with stand
			1/4 μ s steep current impulse (KV)	8/20 μ s lightning current impulse (KV)	30/60 μ s switching current impulse (KV)		
YH10W-3	3	2.55	11.3	9	8.9	250	100
YH10W-6	6	5.1	22.6	18	16.8	250	100
YH10W-9	9	7.65	33.7	27	23.8	250	100

15KV

Basic Data

Type	MOA rated voltage (KV)	MCOV (KV)	Current impulse residual voltage			2ms rectangular current impulse with stand	4/10 μ s high current impulse with stand
			1/4 μ s steep current impulse (KV)	8/20 μ s lightning current impulse (KV)	30/60 μ s switching current impulse (KV)		
YH10W-10	10	8.4	36	30	23	250	100
YH10W-11	11	9.4	40	33	30	250	100
YH10W-12	12	10.2	42.2	36	27	250	100
YH10W-15	15	12.7	51	45	38.5	250	100
YH10W-18	18	15.3	61.5	54	46.2	250	100

24KV

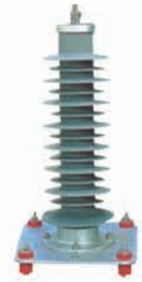
Basic Data

Type	MOA rated voltage (KV)	MCOV (KV)	Current impulse residual voltage			2ms rectangular current impulse with stand	4/10 μ s high current impulse with stand
			1/4 μ s steep current impulse (KV)	8/20 μ s lightning current impulse (KV)	30/60 μ s switching current impulse (KV)		
YH10W-21	21	17.0	71.8	63	54.2	250	100
YH10W-24	24	19.5	82	72	62	250	100
YH10W-27	27	22.0	92	81	69.8	250	100

33KV

Basic Data

Type	MOA rated voltage (KV)	MCOV (KV)	Current impulse residual voltage			2ms rectangular current impulse with stand	4/10 μ s high current impulse with stand
			1/4 μ s steep current impulse (KV)	8/20 μ s lightning current impulse (KV)	30/60 μ s switching current impulse (KV)		
YH10W-30	30	24.4	102	90	79	250	100
YH10W-33	33	27.5	112	99	86.7	250	100
YH10W-36	36	29.0	123	108	92.4	250	100



35KV

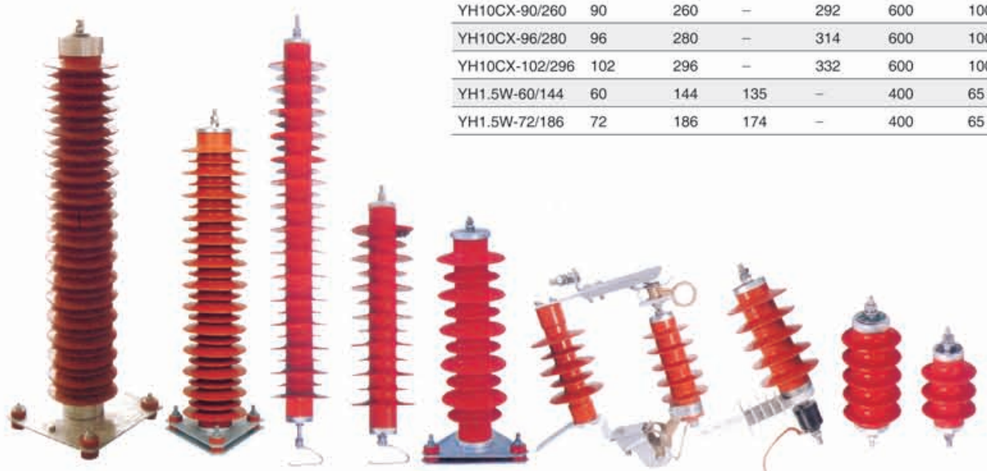
Basic Data

Type	Lightning arrester rated voltage (kV)(r.m.s)	Residual voltage(kV) (≯)			2ms Square wave through discharge (A)	4/10 μ s High current impulse (kA)
		8/20 Lighting impulse current	30/60 Switching current impulse	1/4 Steep current impulse		
YH5WZ-51/134	51	134	114	154	400	65
YH5CZ-42/124	42	124	100	143	400	65
YH5WR-51/134	51	134	105	–	400	65
YH5CR-42/124	42	124	100	–	400	65
YH5WX-51/134	51	134	114	154	400	65
YH5CX-42/120	42	120	100	138	400	65
YH1.5W-30/80	30	80	67.5	–	400	65

110KV

Basic Data

Type	Lightning arrester rated voltage (kV)(r.m.s)	Residual voltage(kV) (≯)			2ms Square wave through discharge (A)	4/10 μ s High current impulse (kA)
		8/20 Lighting impulse current	30/60 Switching current impulse	1/4 Steep current impulse		
YH5WZ-100/260	100	260	221	299	600	65
YH5WZ-102/266	102	266	226	305	600	65
YH5WZ-108/281	108	281	239	323	600	65
YH10WZ-100/260	100	260	221	291	600	100
YH10WZ-102/266	102	266	226	297	600	100
YH10WZ-108/281	108	281	239	315	600	100
YH5WX-108/281	108	281	239	323	600	65
YH5WX-108/309	108	309	263	348	600	65
YH10WX-108/281	108	281	239	315	600	100
YH10WX-108/309	108	309	263	348	600	100
YH5CX-90/260	90	260	–	292	400	65
YH10CX-90/260	90	260	–	292	600	100
YH10CX-96/280	96	280	–	314	600	100
YH10CX-102/296	102	296	–	332	600	100
YH1.5W-60/144	60	144	135	–	400	65
YH1.5W-72/186	72	186	174	–	400	65



110kV 66kV 110kV 35kV 35kV 10kV 10kV 10kV 6kV

Fuse Cut-out

Drop-out fused cut out and load Switching fuse cutout are of outdoor used high voltage protective device.To be connected with incoming feeder of distribution transformer or distribution line it mainly protect transformer or lines from short circuit and overload, and on/off loading current. Drop-out fuse cutout is com-posed of insulator supports and fuse tube, static contacts is fixed on two sides of insulator support and moving contact is installed on two ends of fuse tube. Fuse tube is composed of inside arc-estinguishing tube, outer phenolic compound paper tube or epoxy glass tube, Load switching fuse cutout provides enforced elastic auxiliary contacts and arc-extinguishing enclosure for switching on/off loading current. At normally working via fuselink tightened the fuse tube is fixed to form up of close position. In case system occur faults, fault current result in fuse melt immediately and take place electric arc, which let arc-extinguishing tube being heated and ex-plode a lot of gas. This will produce high pressure and blow off the arc along with tube. After fuselink melt moving contact has no tightened strength again, mechanism is locked and fuse tube dropout. Cutout now is in open position. When it needs to switch off during cut out loading. operator shall via insulating operating bar pull the moving contact, at its beginning main contact and auxiliary static contact is contacted still. Whiling pulling the auxiliary contact is separated between auxiliary contacts there occur electric arc and the arc will be lengthened in arc-extinguishing enclosure gap and meanwhile arc-extinguishing explode gas to blow off the arc during current passing zero.

Drop-out fused cut and load switching fuse cutout are of outdoor used high voltage protective device

1. Parallel-groove connector
Tinplated cast red brass.For ease of conductor connection, accommodates two conductors of unlike size in a single connector. Other styles of connectors are also available

2. Birdproof-design insulator Higher insulation characteristices than ANSi distribution-cutout standards.

3. Rugged attachment hooksfor Loadbuster guide tube during closing

4. Upper contacts
Silver-to silver;stainless-steel spring provides high contact pres sure

5. Fuse tube
Features MultiWind™-liner that's virtually impervious to water ingress. Special UV resistant finish as-sureslonglife. Models also availa-ble with disconnect blade

6. Trunnion
Hign-strength cast bronze, silver plated. Surfacesaround trunnoon bear on bro hinge surfaces to keep tube in alignment durir closing

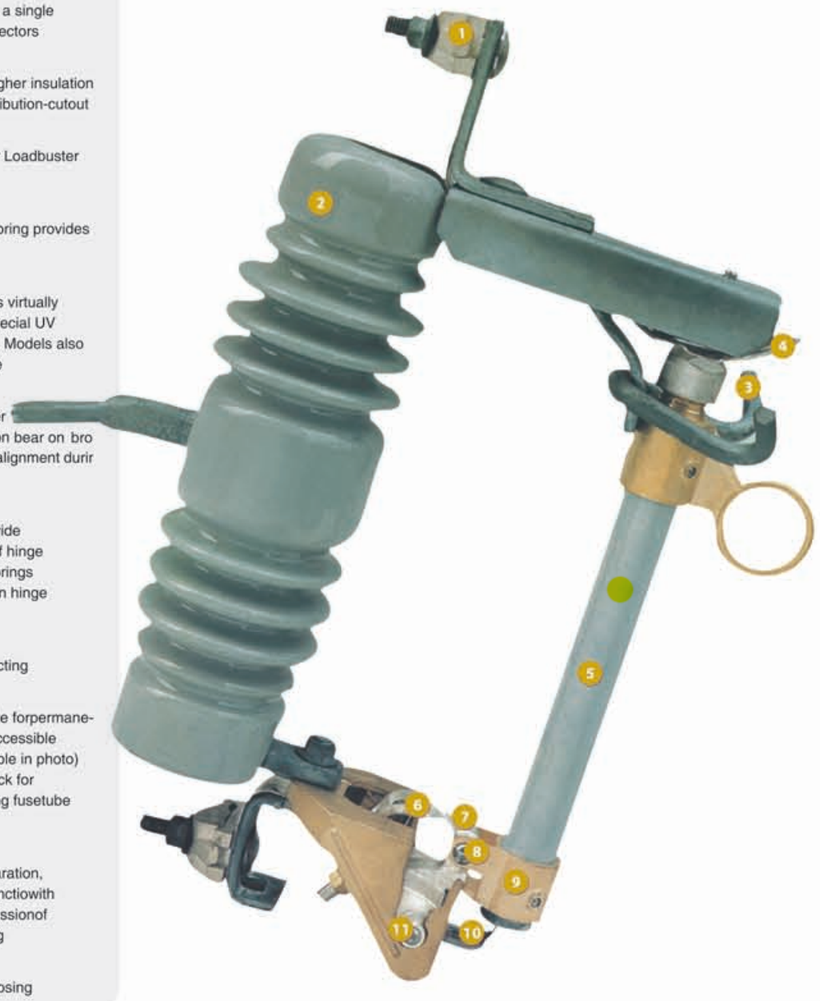
7. Lower contacts
(Not visible)-silver-to-silver;provide dual currentpath,independent of hinge pivot. Stainless-steel backup springs preventarcing when tube rises in hinge during recoil

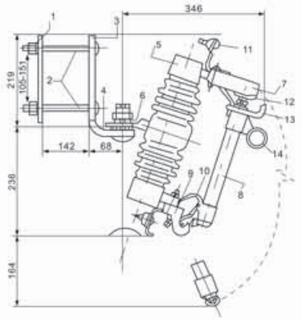
8. Connector
Reliable tripping after disconnecting

9. Sturdy ferrules
Pinned to top and bottom of tube forpermane-ntalignment. Either the large, accessible lifting ringor the keyhole(notvisible in photo) may be engaged with a hookstick for secure control of fusetube during fusetube installation or removal

10. Flipper
Gives high-speed terminal separation, quick cable flip-out, and(in conjnctiowith the toggle joint)reduces transmissionof forces to fuse link during closing

11. **Trunnion pocket**
Secures tube in hinge during closing





1 Back Plate
2 Long Bolts
3 Mounting Bracket
4 Mounting Bracker
5 Porcelain Insulator
6 Spring Washer
7 Upper Housing
8 Fuse Tube
9 Lower Housing
10 Toggle Joint
11 Connector
12 Upper Contacts
13 Attachment Hooks
14 Operation Ring

Drop-out fused cut and load switching fuse cutout are of outdoor used high voltage protective device

1. Parallel-groove connector
Tinned for No.6 soild through 250 KC mil stranded copper or aluminum.

2. Recoil bar
Heavy galvanized steel (which is also used for inserts, hangers, structural bolts and nuts)

3. Bridproof-design insulator
Higher insulation charcate nristics than ANSI distribution-cutout standards and equal in most cases to ANSI switch and bus standards

4. Lower contacts
Not visible-silver-to-silver,provide dual current path, independent of hinge pivot, Stainless-steel backup springs prevent arcing when tube rises in hinge during recoil

5. Upper Contacts
Silver-to-siver at both surfaces

6. Attachment hooks
For loadbuster. Heavy construction also serves to guide tube during closing

7. Fuse tube
Fiber-lined epoxy fiber glass

8. Toggle joint
Collapses to permit dropout when link severs

9. Sturdy ferrules
Pinned to top and bottom of tube for permanent alignment, Large, accessible lifting ring.

10. Trunnion pocket
secures tube in hinge during closing

11. Trunnion casting
surfaces around trunnion bear on broad hinge surfaces to keep tube in alignment during closing

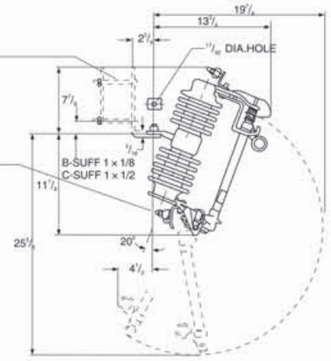
12. Flipper
gives high-speed terminal separation, quick cable flip-out, and(in conjnctio with the toggle joint) reduces transmission of forces to fuse link during closing

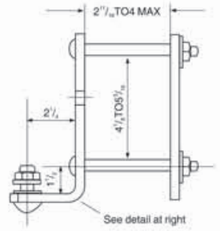
Fuse Cut-out

Mounting bracket.Adjustable for 3 〃 ×4 〃 to4 〃 × 5 〃 crossarm.
Fumished only when catalog number suffix "b"or"c"is specified.

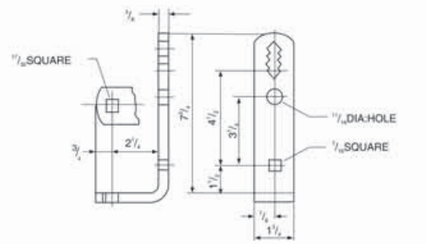
Optional parallel groove connector shown furnished only when catalog number sufix,d,is specified.

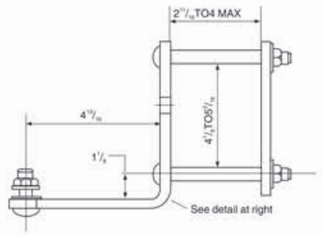
Notes:
1.add connector suffix per table 1.
2.dimension shown is for 'c' suffix(nema'b'bracket)
3.dimension is 53/16 for 'b' suffix fuerte extended bracket.'d' duffix only.





NEMA Type B Mounting Braket-
Adjustable for 3 " x4 " to 4 "x 5 " Crossarm





Extended Mounting Braket-
Adjustable for 3 " x4 " to 4 "x 5 " Crossarm

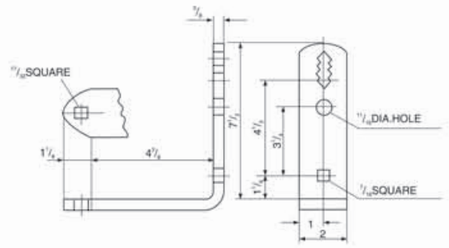


Table1

Connector suffix		
Type connector	wire size	Catalog no.suffix
Parallel groove	No.6 solid cu. thru 250KC will stranded cu. Or al. Or 4/0 scsr.	-D
Eye bolt	No.6 solid cu. thru 2/0stranded cu. Or al.	-J
Eye bolt	No.6 solid cu. thru 250KC will stranded cu. Or al. 4/0 scsr.	-M

Table2

Style	Rating				leakage distance togro.minmun inches
	catalog	kv,nom	bil	amps	
Extra heavy duty	HRC	25	150	100	17
Ultra heavy duty	HRC	25	150	100	17
Heavy duty	HRC	14.4	150	100	17

HRC2 Series Exporting Fused Cut-Out

10KV-12KV

Basic Data

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)
HRC2-10	10~12	100	10000	110
HRC2-10	10~12	200	12000	110
	Power frequency with stand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
	40	250	7.5	40x34.5x11
	40	250	7.5	

15KV-17KV

Basic Data

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)
HRC2-15	15~17	100	10000	125
HRC2-15	15~17	200	12000	125
	Power frequency with stand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
	45	350	3.8	42x35x12
	45	350	3.8	

22KV-27KV

Basic Data

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)
HRC2-24	22~27	100	10000	150
HRC2-24	22~27	200	12000	150
	Power frequency with stand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
	65	450~540	12	49x35x14
	65	450~540	12	

33KV

Basic Data

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)
HRC2-36	33~36	100	10000	170
HRC2-36	33~36	200	12000	170
	Power frequency with stand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
	70	660~720	16	90x40x13
	70	660~720	16	

Fuse Cut-out

HRC3 Series Exporting Fused Cut-Out

10KV-12KV

Basic Data

Type	Rated voltage (kV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)
HRC3-10	10~12	100	10000	110
HRC3-10	10~12	200	12000	110
	Power frequency with stand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
	40	260	8.5	48.5x44x13.5
	40	260	8.5	

15KV-17KV

Basic Data

Type	Rated voltage (kV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)
HRC3-15	15~17	100	10000	125
HRC3-15	15~17	200	12000	125
	Power frequency with stand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
	45	350	9.5	51.5x34x12
	45	350	9.5	

22KV-27KV

Basic Data

Type	Rated voltage (kV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)
HRC3-24	22~27	100	10000	150
HRC3-24	22~27	200	12000	150
	Power frequency with stand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
	65	450~540	12	48x36x10.5
	65	450~540	12	

30KV-36KV

Basic Data

Type	Rated voltage (kV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)
HRC3-36	30~36	100	10000	170
HRC3-36	30~36	200	12000	170
	Power frequency with stand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
	70	660~720	16	57x38x14.5
	70	660~720	16	

HRC FUSE SERIES

USESCOPE

This series HRC suit for AC 50Hz, 12kV 400A Power system for over-load and short circuit Protection Rated breaking Capacity. This series products comply GB 15166 and IEC291,282,644,787 comply.

DESIGNFEATURE

here are two kinds Join type one is directly Join the other is input type it had store energyspringtypestructurecanbecutoffveryfast.

ITEM	Fused body type		Rated Voltage(kV)	Rated Voltage(A)
1601	GR	Φ41×332 12kV×In	12	6.3~125

Type. Rated voltage. Rated current, A-S Dinensions installation see and Draning

ITEM	Fused body type		Rated Voltage(kV)	Rated Voltage(A)
1602	GR7	Φ60×310 7.5kV×In	7.2	31.5~100
1603	GR8	Φ75×360 7.2kV×In	7.2	100~355
1604	GR13	Φ48×478 7.2kV×In	7.2	25~80

ITEM	Fused body type			Rated Voltage(kV)	Rated Voltage(A)	Dimension (mm) ΦA
	Fuerte		Same series			
1609	GR9	Φ80×360 10kV×In	SDLDJ	12	6.3~63	51
1610	GR10	Φ76×360 12kV×In	SFLDJ SKLDJ	12	6.3~63	73

Isolating Switch

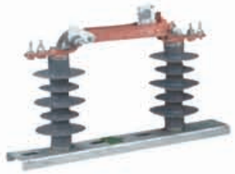
High-voltage Disconnecting Switch

Application

The outdoor AC HV disconnect switch is used to open and close circuit with voltage no-load 50HZ, 11kv power system. We can produce the products according to customers' demands.

Normal Service Condition

※ The altitude does not exceed 1000m.
※ The ambient air temperature: Maximum+40℃; Minimum: General Area -30 ℃, Paramos-40℃.
※ The wind pressure does not exceed 700Pa.(corresponding to 34m/s wind speed).
※ The earthquake intensity does not exceed 8 degrees.
※ The working situation without frequent violent vibration.
※ The installation site of ordinary type isolator should be kept away from gas, smoke chemical deposition, salt-spray fog, dust and other explosive and corrosive maters that affect seriously insulation and conduction capability of the isolator.
※ Pollution-proof type isolator is applies to severe filthy conduction area, however, it shouldn't be any explosive matters and matters causing fire.



Basic Data

Type	Rated voltage (KV)		Rated current (A)
HGW_9-12W/200	12		200
HGW_9-12W/400	12		400
HGW_9-12W/630	12		630
	Withstand current (KA)		10S Heat steady current (KA)
	Peak	Relative	
	5	9	5
	21	15	10
	35	25	14

Basic Data

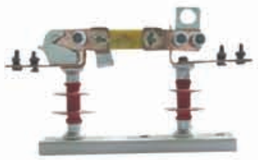
Type	Rated voltage (KV)		Rated current (A)
GW_9-12/200	12		200
GW_9-12/400	12		400
GW_9-12/630	12		630
	Withstand current (KA)		10S Heat steady current (KA)
	Peak	Relative	
	5	9	5
	21	15	10
	35	25	14

Basic Data

Type	Rated voltage (KV)		Rated current (A)	
GW_9-12W/200	12		200	
GW_9-12W/400	12		400	
GW_9-12W/630	12		630	
	Withstand current (KA)		10S Heat steady current (KA)	
	Peak	Relative		
	5	9	5	
	21	15	10	
	35	25	14	

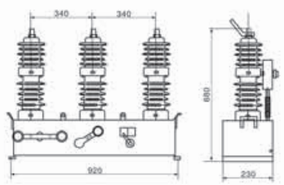
Basic Data

Type	Rated voltage (KV)		Rated current (A)	
GW_9-15G/400	15		400	
GW_9-15G/630	15		630	
	Impulse withstand voltage		Power-frequency withstand voltage	
	To earth	Across the isolating distance KV	To earth	Across the isolating distance KV
	75	85	38	42



Basic Data

Type	Rated voltage (KV)		Rated current (A)
JDW_2-0.5/200	0.5		200
JDW_2-0.5/400	0.5		400
JDW_2-0.5/600	0.5		600
	Impulse withstand voltage		Power-freequency withstand voltage
	To earth	Across the siolating distance (kV)	To earth	Across the siolating distance (kV)
	5	9	5	
	21	15	10	
	35	25	14	



ZW32-12 Outdoor High Voltage Vacuum Circuit Breaker

The ZW32-12 outdoor high voltage vacuum circuit breaker applies to the three phase power system of 50HZ AC and 10-12KV. It is used to open and close load current and protect overload and short circuit, and can be remotely controlled, monitored and measured. The product applies to protection and control of substation, distribution system in industrial and mining establishments, and location where there is frequent operation in rural grid.

Installation Tool & Others

Hydraulic Crimping Tools

- The compression pliers are designed for hydraulic crimping on power calbe and wire. The crimped conductor is tested in high conductivity and close contact so that it's uneasy to break out and turn hot.
- The head could be rotated 180°freely for narrow space working. (Uncovering KYQ-300)
- Fiberglass insulated handles to prevent accidental electric Hitting. (CYO-410, CYO-430, CYO-510B)
- Packing case is made from robust integral plastic box

YHCYO-410

YHCYO-430

YHCYO-510B

YHKYQ-300

YHCYO-300

YHCYO-400

YHHP-150D

YHHP-210D

Basic Data

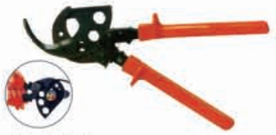
Type	Output (T)	Contact mould (mm^2)	Ram stroke (mm)	Size (mm)	Weight (kg)
CYO-300	12	35-300	30	525×110×80	6.0
CYO-400	12	50-400	30	525×110×80	6.2
CYO-410	12	35-300	30	620×160×70	6.5
CYO-430	12	35-300	30	620×160×70	6.5
CYO-510B	13	50-400	38	650×150×70	7.2
KYQ-300	12	16-300	25	520×145×80	7.0

Type	Output (T)	Contact mould (mm^2)		Size (mm)	Weight (kg)
HP-150D	11	16-150	18	460×130×70	4.1
HP-210D	12	16-240	25	460×130×70	4.5

Ratchet Cable Cutter

- Ratchet cable cutter which adopted ratchet and driving unit, could be operated by one hand. Simple and light. It is designed for cutting Cu/Al cable, single strand and multi-strands. Note; Cutting steel wire and hard-drawn copper wire are strictly prehibited.
- Sharp blade to cut conductor evenly without deform.

YHLK-760L



YHLK-240

YHLK-380

YHLK-960/960X

Basic Data

Type	Length	Weigth	Max. cutting capability	Type	Length	Weigth	Max. cutting capability
LK-960	870mm	5.6kg	960mm^2 or below	LK-240	310mm	0.55kg	240mm^2 or below
LK-960X	640mm	5.3kg	960mm^2 or below	LK-380	330mm	0.75kg	380mm^2 or below
LK-765	310mm	0.93kg	400mm^2 or below				

Energy Saving Cable Cutter with Long Arm

- Forged knife edge for long shelf life and easy cutting.
- High strength Al Alloy handles.
- Note: Cutting steel rope and hard drawn copper wires are prohibited.

YHCC-500L

Basic Data

Type	Cutting range	Length	Weigth
CC-100L	100mm^2 or below	280mm	0.6kg
CC-250L	250mm^2 or below	600mm	1.7kg
CC-500L	500mm^2 or below	810mm	2.76kg

YHSCC-60

CC-100L

CC-250L

Msnusl Cable Cutter (Hard material)

- The blade is made of specific heat-treated steel for much longer shelf life.
- High strength alloy handle.
- It's applicable for cutting steel rope and hard-drawn copper wire.

YHSCC-200

YHSCC-100

Basic Data

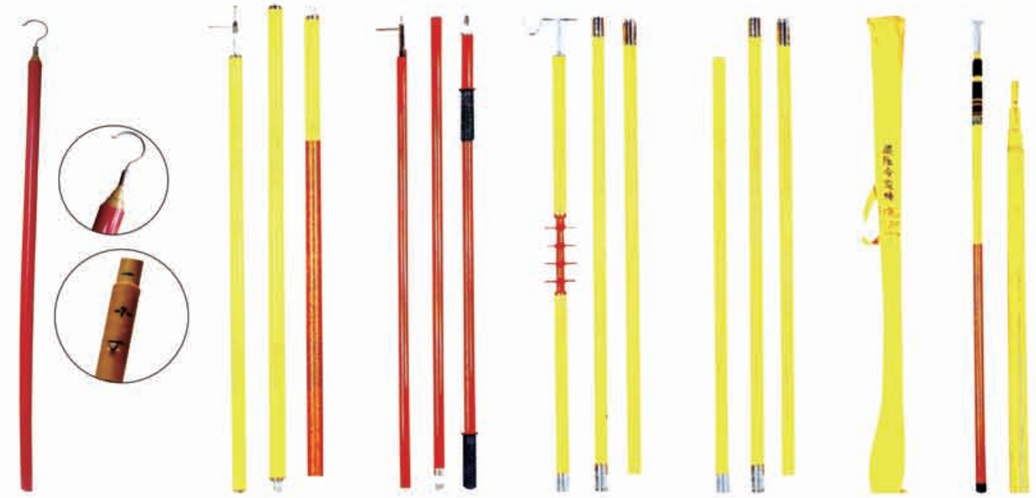
Type	Cutting scope	Length	Weigth
SCC-60	Steel rope in Dia.7mm;Steel barin Dia.5mm;Copper cable in 60mm^2	280mm	0.6kg
SCC-100	Steel rope in Dia.10mm;Steel barin Dia.7mm;Copper cable in 100mm^2	600mm	1.7kg
SCC-200	Steel rope in Dia.9mm;Steel barin Dia.14mm;Copper cable in 150mm^2	800mm	2.76kg

Installation Tool & Others

Others

YH-01

Plastic Cladding Earthing Copper Wire, Braided Copper Wire



YH-02
Adujustable

YH-03
Segment

YH-04
Pin Type

YH-05
All-weather Type

YH-06
Insulating Type

YH-07
Adujustable

YH-08
Measuting Stakes

YH-09
Outdoor Screwed Type Earthing Wire

YH-10
Outdoor Double Tongue Rarthing Wire

YH-11
Outdoor Spring Type ESarthing Wire

YH-12
Outdoor Single Tongue Type Earthing Wire

YH-13
Outdoor Screwed Type Earthing Wire

Others

H.V. Electroscope

YH-14

Voltage Range

Type	Rating voltage (kV)	Trigger voltage (kV)	Virtual inslating lengty (mm)	Power frequency leakage current (μ A)	Power frequency withstand voltage in 5 min (kV)
GSSB	0.1-10	≤2.5	≥1100	≤350	44

H.V. Electroscope

YH-15

Voltage Range

Type	Rating voltage (kV)	Trigger voltage (kV)	Virtual inslating lengty (mm)	Power frequency leakage current (μ A)	Power frequency withstand voltage in 5 min (kV)
GSSB-10KV	6-10	≤2.5	≥1100	≤350	44

YH-16
H.V. or l.v. Electroscope

YH-17
H.V. Electroscope 10kV. 35kV. 110kv. 220kV

YH-18
GSY H.Velectroscope

YH-19
Electrician Life Helt-A

YH-20
Strong Type Sky Hooker Double Back Life Belt

YH-21
Electrician Life Belt-B

YH-22
Sky Hoker Single Back Life Belt

YH-23
Electrician Life Belt-C

YH-24
Electrician Life Belt-H

YH-25
Single Back Life Belt

YH-26
Electrician Life Belt-D

Installation Tool & Others

YH-27
High Altitude Double Back Life Belt

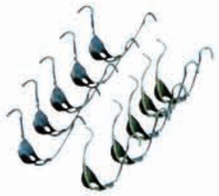
YH-28
Electrician Life Belt-E

YH-29
New Dual Fail-safe Electrical Life Belt

YH-30
Rope Ladder

YH-43

YH-44
Ohase Checking Machines



YH-45
Cable Hook

YH-46
Insulating Clamp

YH-31
25-70^2 95-120 150+240^2 Aluminum Alloy Wire Tighten Clamp

YH-32
Tiger Head Wire Tightening Clamp

YH-33
Iron-wire Tightening Clamp

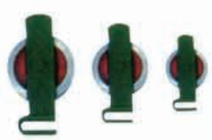
YH-34
Multi-function Tightening Clamp

YH-47
Conductive Paste

YH-48
Conductuive Paste
Spec:100g, 500g

YH-49
888-A Type

YH-35
Dual Useful Pulley JTSH



YH-36
Open Pulley JTCH

YH-37
Hang Type Rolller JTGH

YH-38
JT JH-A Movable Pole Clijmbers (Thicknened Plate)

YH-50
888-B Type

YH-51
888-C Type

YH-52
888-V Type

YH-53
H.V Alam Safety Helmet

YH-39
JT JH-B Movable Pole Clijmbers (Thicknened Plate)

YH-40
JTJH-C Movable Pole Climbers

YH-41
White Brown Rope Climbing Plate

YH-42
Nylon Rope Climbing Plate

YH-54
H.D PE Plastic, Flanging Helmet

YH-55
Adjustive Heat Insulated Orgaic Mask (Big)

YH-56
H.D PE Plastic, mid safty cap

YH-57
H.D PE Plastic, 888-B-1

Installation Tool & Others

YH-58
H.D PE Palstic, 888-V-1

YH-59
Adjustive Heat Insulated Orgaic Mask (Small)

YH-60
Insulating Shoes

YH-61
Insulating Boots

YH-62
Insulating Gloves

YH-63
20KV Insulating Boots

YH-64
Insulating Carpet

YH-65
High Lsulating cleaning agent

YH-66
WDQ-LV-1-3 Working Clothing With Water-resistant, Fire-resistant, Arc-resistant

YH-67
Ground Cable Tackle

YH-68
Lead Seal

YH-69
Safe Rail

YH-70

YH-71

YH-72

YH-73

YH-74

YH-75

YH-76