

XLPE INSULATED AERIAL CABLE

APPLICATION

Pre-assembled cross-linked polyethylene insulated aluminium cables supported by a bare ACSR messenger wire shall be used as aerial single phase and three phase service drop cable.

STANDARD

ASTM B-230, B-231, B-232 & B-498
 NEMA WC-7
 ICEA S-66-524

CONSTRUCTION

Phase

Conductor: Stranded Aluminium wire to ASTM B-231

Insulation: XLPE to NEMA WC-7

Messenger

Conductor:

Stranded Galvanized Steel wire, Class-A to ASTM B-498
 Stranded Aluminium wire, 1350-H19 to ASTM B-232



PHYSICAL DATA									TECHNICAL DATA		
REB Item Code	Conductor assembly	Phase Conductor (AAC)			Messenger conductor (ACSR)			Approx. Weight of conductor kg/km	Max. D.C resistance of conductor at 20 °C		Current rating at 35 °C ambient temp. Amp
		Size of conductor AWG	No. of Strand & diameter of wire no./mm	Nominal thickness of insulation mils/mm	Size of conductor AWG	No. of Strand & diameter of wire			Phase W/km	Messenger W/km	
						Aluminium no./mm	Steel no./mm				
D-11	DUPLEX	6	7/1.56	45/1.143	6	6/1.68	1/1.68	114	2.169	2.157	70
D-12	DUPLEX	3	7/2.20	45/1.143	3	6/2.38	1/2.38	212	1.076	1.074	98
D-14	QUADRUPLEX	3	7/2.20	45/1.143	3	6/2.38	1/2.38	420	1.076	1.074	86
D-15	QUADRUPLEX	1/0	7/3.12	60/1.524	1/0	6/3.37	1/3.37	835	0.5372	0.535	165
D-20	QUADRUPLEX	4	7/1.96	45/1.143	4	6/2.12	1/2.12	340	1.632	1.35	92
D-24	QUADRUPLEX	4/0	7/4.42	60/1.524	4/0	6/4.77	1/4.77	1580	0.2688	0.2676	198
D-25	QUADRUPLEX	6	7/1.56	45/1.143	6	6/1.68	1/1.68	230	2.169	2.157	60

PVC INSULATED AERIAL CABLE

APPLICATION

Pre-assembled cross-linked polyethylene insulated aluminium cables supported by a bare ACSR messenger wire shall be used as aerial single phase and three phase service drop cable.

STANDARD

ASTM B-230, B-231, B-232 & B-498
 NEMA WC-7
 ICEA S-66-524

CONSTRUCTION

Phase

Conductor: Stranded Aluminium wire to ASTM B-231

Insulation: XLPE to NEMA WC-7

Messenger

Conductor:

Stranded Galvanized Steel wire, Class-A to ASTM B-498
 Stranded Aluminium wire, 1350-H19 to ASTM B-232



PHYSICAL DATA									TECHNICAL DATA		
REB Item Code	Conductor assembly	Phase Conductor (AAC)			Messenger conductor (ACSR)			Approx. Weight of conductor kg/km	Max. D.C resistance of conductor at 20 °C		Current rating at 35 °C ambient temp. Amp
		Size of conductor AWG	No. of Strand & diameter of wire no./mm	Nominal thickness of insulation mils/mm	Size of conductor AWG	No. of Strand & diameter of wire			Phase W/km	Messenger W/km	
						Aluminium no./mm	Steel no./mm				
D-63	DUPLEX	6	7/1.56	60/1.524	6	6/1.68	1/1.68	140	2.169	2.157	58