

Aerial Bundle Cable ABC Overhead electric cable PVC/PE/XLPE Insulation is applied to overhead power line with rated voltage 0.6/1kv and 10KV.

Aerial Bundle Cable ABC Overhead electric cable PVC/PE/XLPE Insulation is mainly used for electric power transmission, rebuilding of urban and forest regions. They can improve safety and reliance of electrified wire netting.

1 .Type: Duplex Service Drop, Triplex Service Drop, Quadruplex Service Drop

pvc insulated concentric ABC cable (Aerial Bundle Cable)

a Duplex Service Drop

Applications: To supply 120 volt aerial service for temporary service at construction sites, outdoor or street lighting . For service at 600 volts or lower at a conductor temperature of 75 maximum.

b Triplex Service Drop

Applications: To supply power from the utility's lines to the consumer's weatherhead. For service at 600 volts or less (phase to phase) at a conductor temperature of 75 maximum for PE insulation or 90 maximum for XLPE insulation .

c Quadruplex Service Drop

Applications: Used to supply 3 phase power , usually from a pole-mounted transformer to the user's service head where connection to the service entrance cable is made . To be used at voltages of 600 volts or less phase to phase and at conductor temperature not to exceed 75 for PE insulated conductors or 90 for XLPE insulated conductors.

2 . Construction

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a Phase Conductor construction: The phase conductor is aluminum alloy 1350-H19 hard-drawn, compressed concentric-lay-stranded.

b Neutral Conductor Construction

Cable assemblies are available with the following neutral conductors:

Aluminum conductors, coated-steel reinforced (ACSR), concentric-lay-stranded

Aluminum alloy 1350-H19 hard-drawn, concentric-lay-stranded

Aluminum alloy 6201-T81, concentric-lay-stranded

c Insulation Material

The standard insulation on the phase conductor is black low-density crosslinked polyethylene (XLPE)

Alternatively, black linear low-density polyethylene (LLDPE) insulation with a 75°C temperature rating is available upon request.

3. specification

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Code Name	Phase Conductor			Bare Neutral Messenger			Weight Per 1000ft (lbs)		Ampacity(amps)	
	Size AWG	Stranding	Insulation Thickness(mls)	Size AWG	Stranding	Breaking Strength(lbs)	XLPE	Poly	XLPE	Poly
6201 ALLOY NEUTRAL-MESSENGER										
Minex	6	Solid	45	6	7	1,110	106.6	102.9	85	70
Hippa	6	7	45	6	7	1,110	113.2	105.7	85	70
Prawn	4	Solid	45	4	7	1,760	158.4	154.1	115	90
Barnacles	4	7	45	4	7	1,760	168.3	158.2	115	90
Shrimp	2	7	45	2	7	2,800	253.7	239.7	150	120
Gammarus	1/0	7	60	1/0	7	4,460	411.7	386.0	205	160
Leda	1/0	19	60	1/0	7	4,460	402.7	386.0	205	160
Dungenese	2/0	7	60	2/0	7	5,390	506.8	476.3	235	185
Cyclops	2/0	19	60	2/0	7	5,390	495.3	476.3	235	185
Dlustra	3/0	19	60	3/0	7	6,790	611.4	589.1	275	215
Lepas	4/0	19	60	4/0	7	8,560	757.1	730.5	315	245

4. Standards

pvc insulated concentric ABC cable (Aerial Bundle Cable)

1. B-230 Aluminum Wire, 1350-H19 for Electrical Purposes.
2. B-231 Aluminum Conductors, Concentric-Lay-Stranded.
3. B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced (ACSR).
4. B-399 Concentric-Lay_Stranded 6201-T81 Aluminum Alloy Conductors.
5. B498 Zinc-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR).
6. Duplex Service Drop cable meets or exceeds all applicable requirements of ANSI/ICEA S-76-474