

## 3 x 35 sq.mm + 54.6 sq. mm + 16 sq. mm ABC



**Application:**

For distribution low power overhead networks in metropolitan, urban and rural areas. For supply of remote facilities and villages of temporary and permanent character. For above-ground house connections.

### TECHNICAL SPECIFICATION

No.	Parameter	Unit	Particular offered
	Standard		BS 215, NFC 33-209 & IEC 60502-1
	Rated voltage	kV	0.6/1.0
	Dielectric strength (voltage strength )	KV	withstand voltage of 4.0 for 5 minutes
	Phase conductor	-	
	Material	-	Aluminum
	Cross section	mm <sup>2</sup>	35
	Cross section shape	-	Circular compacted
	Class of conductor	-	2
	Number of wire	No.	Al. 7
	Diameter of wires	mm	2.52
	Diameter of conductor	mm	6.42
	Maximum conductor DC resistance at 20°C	Ω/km	0.856
	Insulation Material	-	XLPE
	Insulation thickness	mm	1.60
	<b>Neutral Conductor</b>		
	Material		Aluminum Alloy
	Cross section	mm <sup>2</sup>	54.6
	Cross section shape	-	Circular compacted
	Number of wires	AL	7
	Diameter of wires	-	3.15
	Breaking tensile stress	N/mm <sup>2</sup>	1672
	Diameter of conductor	mm	9.45
	Maximum conductor DC resistance at 20°C	Ω/km	0.578



Insulation Material	-	Black XLPE
Insulation thickness	-	1.62
<b>Street light conductor</b>		
Material	-	Aluminum
Cross section	mm <sup>2</sup>	16
Cross section shape	-	Circular compacted
Class of conductor	-	2
Number of wire	No.	Al. 7
Diameter of wires	mm	1.71
Diameter of conductor	mm	5.10
Maximum conductor DC resistance at 20°C	Ω/km	1.860
Insulation Material	-	XLPE
Insulation thickness	mm	1.22
Approximately mass of cable	Kg/km	720
<b>Technical Characteristics</b>		
Outer diameter of the bundle	mm	28.60
Minimum bedding radius	mm	228
Current rating/ ambient 30°C core 90°C	A	213
Maximum short circuit current	KA	2
Marking	-	AS PER CUSTOMER'S REQUEST

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for products set forth our standard terms and conditions of sale

