

## 3 x 50 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.	Parameters	Unit	Particulars Offered
	Type of cable		Aerial bundle Cable
	Applicable standards		NFC 33-209, IEC 60228
	Rated voltage	kV	0.6/1.0
	Dielectric strength (voltage strength) Phase to Phase	KV	Withstand voltage of 4.0 for 5 minutes
	Phases to Neutral	KV	Withstand voltage of 4.0 for 5 minutes
	Phase to Street light core	KV	Withstand voltage of 4.0 for 5 minutes
	<b>Phase Conductor</b>		
	Material of phase conductor	-	Aluminium
	Cross sectional area	mm <sup>2</sup>	50
	Shape	-	Circular conductor
	Class of conductor	-	2
	Number of wire	No.	Al. 7
	Diameter of wires	mm	3.096
	Diameter of conductor	mm	9.29
	Max. conductor DC resistance at 20°c	Ω/km	0.6384
	Insulation Material	-	XLPE
	Insulation thickness (Black red )	mm	1.6
	Insulation thickness (Black Blue )	mm	1.6
	Insulation thickness (Black Yellow )	mm	1.6
	Phase 1 core identification		Black Red
	Phase 2 core identification		Black Yellow
	Phase 3 core identification		Black Blue
	Cross sectional area	mm <sup>2</sup>	54.6
	Class		2



<b>Neutral Conductor</b>		
Material		Aluminium Alloy
Shape	-	Circular compacted
Number of wires	AL	7
Diameter of wires	mm	3.15
Diameter of conductor	mm	9.30
Max. conductor DC resistance at 20°C	Ω/km	0.5761
Insulation Material	-	Black XLPE
Insulation thickness	mm	1.62
<b>Street light conductor</b>		
Material	-	Aluminum
Cross section	mm <sup>2</sup>	16
Shape	-	Circular conductor
Class of conductor	-	2
Number of wire	No.	Al. 7
Diameter of wires	mm	1.70
Diameter of conductor	mm	5.10
Max. conductor DC resistance at 20°C	Ω/km	1.864
Insulation Material	-	XLPE
Insulation thickness	mm	1.22
Approximately mass of cable	Kg/km	760
<b>Technical Characteristics</b>		
Outer diameter of the bundle	mm	28
Operating temperature	0°C	90
Maximum temperature at short circuit	0°C	250
Minimum bedding radius	mm	250
Permissible load	A	168
Maximum short circuit current	KA	4.70
Standard packaging	m	1000
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

