

ALUMINIUM CABLES

Features

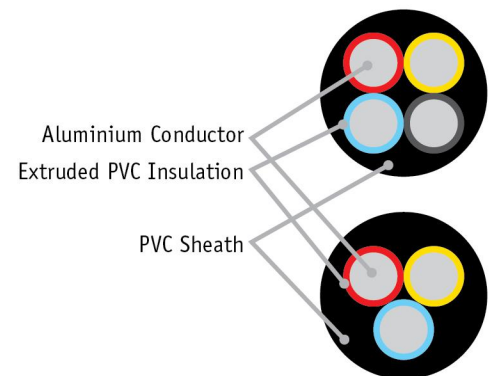
- » Excellent resistant to moisture & abrasion
- » Long Life
- » Excellent mechanical & electrical properties
- » High Thermally Stable Insulation

Technical Data

- » Approvals: IS 694 Marks Latest
- » Voltage Grade : Up to and including 1100 V
- » Standard length : As per customer requirement
- » Conductor : Aluminium Conductor as per IS:8130
- » Insulation & Sheath : As per IS:5831
- » Sheath colors: Black/Yellow

Application

- » Round Aluminium cables are used for outdoor installation in wet location, laid direct in ground where mechanical damages are expected to occur
- » Twin flat Aluminium Cables are used to provide electrical connections from the main line to house, building or complex



SPECIFICATION OF UNARMoured ALUMINIUM CABLES

PVC INSULATED & SHEATHED ROUND UNARMoured ALUMINIUM CABLES UP TO 1100V. GENERALLY CONFORMING TO IS 694:2010

Nominal c/s Area of Conductor in Sq. mm.	Conductor Construction No./mm	Nominal Insulation Thickness in mm.	Approx. Core Dia. In mm	Outer Sheath Nominal Thickness In mm.		Approx. Overall Dimensions		Current Rating At 40 °C in Amps.	Max. D/C Resistance @ 20°C Ohm/km.
				3 Core	4 Core	3 Core	4 Core		
4.00	1/2.25	0.8	3.8	1.3	1.4	11.40	12.85	19	7.41
6.00	1/2.76	0.8	4.5	1.4	1.4	12.45	14.50	24	4.61
10.00	1/3.57	1.0	5.5	1.5	1.6	14.40	16.00	32	3.08
16.00	1/4.50	1.0	6.7	1.6	1.6	17.50	20.40	44	1.91
25.00	1/5.65	1.2	8.0	1.7	1.8	20.50	23.00	49	1.20
35.00	1/6.68	1.2	9.4	1.8	1.9	23.75	27.30	61	0.868

PVC INSULATED AND SHEATHED TWIN FLAT ALUMINIUM CABLES UP TO 1100V. CONFORMING TO IS 694:2010

Conductor		PVC Insulation		PVC Sheath			Current Rating At 40°C In Amps	Max. D/C Resistance @ 20 °C ohm/km
Nominal Area Of Conductor In Sq. mm.	Conductor Construction No./mm.	Nominal Insulation Thickness In mm.	Approx. core Dia. In mm.	Nominal Thickness in mm.	Max. Overall Dimensions			
					Height in mm.	Width in mm.		
2.50	1/1.78	0.70	3.3	1.0	6.60	10.5	16	12.1
4.00	1/2.24	0.80	3.8	1.0	7.40	12.0	21	7.41
6.00	1/2.76	0.80	4.5	1.1	8.00	13.0	27	4.61
10.00	1/3.57	1.00	5.5	1.4	9.60	16.0	37	3.08

ALUMINIUM CABLES



Addison[®]
The Safe Connection
ELECTRIC WIRES & CABLES



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

R & B
APPROVED