

Customer:

C No	Technical Particular	UNIT	4C X 0.75
S.No		UNIT	Polycab Wires Pvt. Ltd,
2	Name of Manufacturer Type of Cable		Overall Screened PVC insulated Armored Instrument Cab
3	No of Elements X Size in mm ²	No X Sq.mm	4C X 0.75
4	Voltage Grade	Volts	500
	<u> </u>	Voits	
5	Applicable standard (S)		Generally as per BSEN 50288-7
6	Conductor Material		
a)	Maximum d.c. resistance of conductor at 20° C	Ω/km	Annealed Plain Stranded of class2 Electrolytic grade Copp
b)		\$2/ KIII	24.5
c)	Shape of conductor		Stranded Circular
6	Insulation		
a)	Material		Extruded PVC Type 'A'
b)	Minimum Thickness	mm	0.44
c)	Core Identification		Red, Yellow, Blue Black
7	Collective Screen		
a)	Material		Aluminium mylar tape
b)	Nominal Thickness	mm	0.018
c)	Material of Drain Wire		Flexible ATC
d)	Size of Drain Wire	Sq.mm	0.5 mm ² (16/0.2 mm)
8	Innersheath		
a)	Material		Extruded PVC Type ST1
b)	Minimum Thickness	mm	0.3
9	Armouring		
a)	Material		Gal. Steel
b)	Type of armouring		Round Wire
c)	Nominal size of armour	mm	0.9
10	Outersheath		
a)	Material		Extruded FRLS PVC Type ST1
b)	Thickness	mm	1.24 (Min.)
c)	Colour Of Outersheath		Grey
1 a)	Maximum conductor temperature under normal operating conditions	°C	90
b)	Maximum conductor temperature at the termination of short circuit	°C	250
c)	sec	kA/Sec	0.09
12	Minimum bending radius	mm	12 times Overall diameter
13	Electrical Parameters		
a)	temperature	Ω/km	29.3
b)	Mutual capacitance	nf/km	<250
c)	Insulation resistance	MΩ/km	10
d)	Inductance to resistance ratio (L/R)	μΗ/Ω	<25
e)	Dielectric strength for 1 minute (H.V Test)	kV	2.0
16	Max. tensile strength for Cables pulled with stocking	Newtons	9 x D ² , D is the cable OD in mm
15	Approximate Overall diameter of cable	mm	11.0
16	FRLS PROPERTIES	*******	11.0
	Oxygen Index		Min. 29% as per ASTM D- 2863
a)			-
b)	Temperature Index		Min. 250 Deg.C as per ASTM D- 2863
c)	Smoke Density Rating		Max. 60% as per ASTM D- 2843
d)	Acid Gas Generation		Max. 20% as per IEC- 754- 1
e)	Flammability Test		As per IEC:332-I
17	Embossing		POLYCAB 500 VOLTS GRADE FRLS
18	Printing		YEAR POLYCAB 500 VOLTS GRADE FRLS No of Core Sqmm SCREENED WITH SEQUENTIAL MARKING AT EVERY ONE METER

FOR POLYCAB WIRES PVT LTD