



Customer :

Technical Particulars of PVC Instrumentation Cables

S.No	Particulars	UNIT	2C X 0.5	3C X 0.5	4C X 0.5	5C X 0.5	6C X 0.5	7C X 0.5	8C X 0.5
a)	Max. a.c. resistance of conductor at operating temperature	Ω/km	43.1	43.1	43.1	43.1	43.1	43.1	43.1
b)	Mutual capacitance	nf/km	<250	<250	<250	<250	<250	<250	<250
c)	Insulation resistance	MΩ/km	10	10	10	10	10	10	10
d)	Inductance to resistance ratio (L/R)	μH/Ω	<25	<25	<25	<25	<25	<25	<25
e)	Dielectric strength for 1 minute (H.V Test)	kV	2.0	2.0	2.0	2.0	2.0	2.0	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	9.5	10.0	10.5	11.0	11.5	11.5	12.5
16	FRLS PROPERTIES								
a)	Oxygen Index	%	Min. 29% as per ASTM D- 2863						
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 x Sqmm SCREENED WITH SEQUENTIAL MARKING AT EVERY ONE METER..						

FOR POLYCAB WIRES PVT LTD