

Technical Data Sheet of Flexible Cables

		Cable Code	LDIS09CYUAYL001C016S
Sr.No.	Description	Unit	1C X 16 Sq.mm
1	Manufacturer Name		Polycab India Limited
2	Brand Name		POLYCAB
3	Rated Voltage	Volts	1100
4	CONDUCTOR		
a)	Material		Plain annealed high conductivity Flexible copper conductor as per Class 5 of IS 8130/2013 latest
b)	Conductor Size	Sq.mm	16
c)	Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	1.21
d)	Shape of Conductor		Bunched Circular
5	INSULATION		
a)	Material		PVC Type 'D' with FR-LSH Properties
b)	Thickness - Nominal	mm	1.0
c)	Core Identification		Red Yellow Blue Black Green Grey Brown White Orange Pink Violet Yellow/Green
d)	FR-LSH PROPERTIES		
	Oxygen Index		Min. 29% as per ASTM D- 2863
	Temperature Index		Min. 250 Deg.C as per ASTM D- 2863
	Smoke Density Rating		Max. 60% as per ASTM D- 2843
	Acid Gas Generation		Max. 20% as per IEC- 754- 1
6	Maximum Overall Diameter	mm	8.1
7	Current rating at 40 ^o C	Amps	68
8	Max. conductor temp. under normal operating conditions	°C	70
9	Max conductor temp at the termination of short circuit	°C	160
10	Standards to which the cables confirm		As per IS 8130/2013,IS 694/2010, etc. with latest up to date amendments
11	Recommended minimum bending radius in mm		8 times the overall diameter of the cable
12	Max. Tensile strength when pulled with pulling eye	Kg	82
13	Printing		POLYCAB 1100 V SQ.MM FR-LSH

Note:-The values given above are subject to tolerances as per the relevant standards.