



Technical Data of Flexible Cables				LDIS09CYUAYL001C016S
Sr.No.		Description	Unit	1C X 16
				Sq. mm.
1		Manufacturer Name		Polycab Wires Private Limited
2		Brand Name		POLYCAB
3		Rated Voltage		1100V
4		<b>CONDUCTOR</b>		
	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
5		<b>INSULATION</b>		
	a)	Material		<b>PVC Type 'D' with FR-LSH Propertes</b>
	b)	Thickness - Nominal	mm	1.0
	c)	Core Identification		<b>Red   Yellow   Blue   Black   Green   Yellow   Yellow/Green</b>
	d)	<b>FR-LSH PROPERTIES</b>		
		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		<b>Maximum Overall Diameter</b>	mm	<b>8.1</b>
7		Current rating	Amps	68
8		Max. conductor temp. under normal operating conditions	°C	70°C
9		Max conductor temp at the termination of short circuit	°C	160°C
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		<b>POLYCAB 1100 V, SQ.MM FR-LSH</b>