

Technical Datasheet of Flexible Cables				LDIS09CYUAYL003C006S
Sr.No.	Description	Unit	3C X 6	
			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	6.0	
	c) Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	3.30	
5	<b>INSULATION</b>			
	a) Material		<b>PVC Type 'D'</b>	
	b) Nominal Thickness in mm.	mm	0.8	
	c) Core Identification		Red, Black & Yellow/Green	
6	<b>Sheath</b>			
	Material		<b>Extruded "FR-LSH" PVC Type 'ST3' as per IS:5831/84</b>	
	Nominal Thickness in mm.		1.2	
	Sheath Colour		White	
	<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	
7	<b>Maximum Overall Diameter</b>	mm	<b>13.8</b>	
8	Current rating	Amps	37	
9	Max. conductor temp. under normal operating conditions	°C	70°C	
10	Max conductor temp at the termination of short circuit	°C	160°C	
11	Standards to which the cables confirm		As per IS 8130/2013,IS 694/2010, etc. with latest up to date amendments	
12	Recommended minimum bending radius in mm		8 times the overall diameter of the cable	
13	Max. Tensile strength when pulled with pulling eye	Kg	92	
14	Printing		<b>POLYCAB 1100 V, NO.OF CORE X SQ.MM FR-LSH</b>	