



Technical Particulars of Flexible Cables

				LDIS09CYUAYL001C095S
Sr.No.	Description	Unit	1C X 95	
				Sq. mm.
1	Manufacturer Name		Polycab Wires Private Limited	
2	Brand Name		POLYCAB	
3	Rated Voltage		1100V	
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	95	
	c) Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	0.206	
5	INSULATION			
	a) Material		HR-PVC Type 'C' with FR-LSH Properties	
	b) Thickness - Nominal	mm	1.6	
	c) Core Identification		Green Red Black Yellow Blue Yellow/Green Grey	
	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	18.2	
7	Current rating	Amps	312	
8	Max. conductor temp. under normal operating conditions	°C	85°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	484	
13	Printing		POLYCAB 1100 V, SQ.MM HR-FR-LSH	