

Technical Datasheet of Flexible Cables				LDIS09CYUAYL004C120S
Sr.No.		Description	Unit	4C X 120
				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	120.0
	c)	Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	0.161
5		INSULATION		
	a)	Material		HR-PVC Type 'C'
	b)	Nominal Thickness in mm.	mm	1.6
	c)	Core Identification		Red, Yellow, Blue & Black
6		Sheath		
		Material		Extruded FR-LSH PVC Type 'ST2' as per IS:5831/84
		Nominal Thickness in mm.		2.5
		Sheath Colour		Black
		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
7		Maximum Overall Diameter	mm	55.7
8		Current rating	Amps	282
9		Max. conductor temp. under normal operating conditions	°C	85°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	2446
14		Printing		POLYCAB 1100 V, NO.OF CORE X SQ.MM HR-FR-LSH