



Technical Data of Flexible Cables				LDIS09CYUAYF001C006S
Sr.No.		Description	Unit	1C X 6
				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 8130/84 latest
	b)	Conductor Size	Sq.mm	6
	c)	Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	3.30
5		INSULATION		
	a)	Material		PVC Type 'D' with FR Propertes
	b)	Thickness - Nominal	mm	0.8
	c)	Core Identification		Red Yellow Blue Black Green Grey Yellow/Green
	d)	FR PROPERTIES		
		Oxygen Index		Min. 29% as per ASTM D- 2863
		Temperature Index		Min. 250 Deg.C as per ASTM D- 2863
6		Nominal Overall Diameter	mm	4.9 ± 1.0
7		Current rating	Amps	37
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 8130/84,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	31
13		Printing		POLYCAB 1100 V, SQ.MM FR