



Technical Data of Flexible Cables				
Sr.No.		Description	Unit	1C X 70
				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	70
	c)	Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	0.272
5		INSULATION		
	a)	Material		PVC Type 'C' with FR-LSH Propertes
	b)	Thickness - Nominal	mm	1.4
	c)	Core Identification		Red Yellow Blue Black Green Grey Yellow/Green
	d)	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	16
7		Current rating	Amps	258
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	357
13		Printing		POLYCAB 1100 V, SQ.MM HR-FR-LSH