

Technical Datasheet of Flexible Cables				LDIS09CYUAY1012C001S
Sr.No.	Description	Unit	12C X 1	
			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	1	
	c) Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	19.5	
5	INSULATION			
	a) Material		PVC Type 'D'	
	b) Nominal Thickness in mm.	mm	0.6	
6	Sheath			
	Material		Extruded PVC Type 'ST3' as per IS:5831/84	
	Nominal Thickness in mm.		1.1	
	Sheath Colour		Black	
7	Maximum Overall Diameter	mm	13.9	
8	Current rating	Amps	12	
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	61	
14	Printing		POLYCAB 1100 V, NO.OF CORE X SQ.MM	

CORE IDENTIFICATION			12C X 1			
Sr. No	Printing No.	Basic Colour	Stripe			
1		Yellow	Green			
2	1	Black	-			
3	2	White	-			
4	3	Red	-			
5	4	Green	-			
6	5	Orange	-			
7	6	Blue	-			
8	7	White	Black			
9	8	Red	Black			
10	9	Green	Black			
11	10	Orange	Black			
12	11	Blue	Black			