





Stranded Aluminium Conductor Extruded Semi-Conducting Compound XLPE Insulation Extruded Semi-Conducting Compound

Metallic Screen

Extruded Inner Sheath

Filler Material

Gal. Steel Flat Strip Armour

Extruded PVC type ST2 Outer Sheath



HT XLPE CABLE

DESIGN CODE: MVIS13AXSFY2003C240SA001S Document ID: TE/QMS/F/02

Partio	culars	3 Core X 240 Sq.mm	
Name	of Manufacturer	POLYCAB INDIA LTD	
Туре о	of Cable	A2XFY	
Voltage	e Grade kV	19/33 (E)	
No of o	cores X size in sqmm	3 Core X 240 Sq.mm	
	num conductor temperature under normal ing conditions	90°C	
Maxim short c	num conductor temperature at the termination of circuit	250°C	
Permis	ssible Voltage Variation	± 10%	
Permis	ssible Frequency Variation	± 5%	
Combi	ined Voltage & Frequency variation	± 10%	
Conductor			
a)	Material	H4 Grade Aluminium as per Class 2 of IS: 8130, latest	
b)	Maximum d.c. resistance of conductor at 20° C (ohm/km)	0.125	
c)	Shape	Stranded Compacted Circular	
Cond	Conductor Screening		
a)	Material	Extruded Semi-conducting Compound	
b)	Nominal thickness (mm)	0.3	
Insula	Insulation		
a)	Material	XLPE as per IS 7098(Pt-2)/2011	
b)	Nominal thickness (mm)	8.8	
c)	Core identification	By Coloured strips(Red,Yellow,Blue)	
Insula	Insulation Screening		
(i)	Non - Metallic		
a)	Material	Extruded Semi-conducting Compound	
b)	Nominal thickness (mm)	0.3	
(ii)	Metallic		
a)	Material	Single Layer of Copper Tape	
b)	Approximate thickness (mm)	0.03	
c)	Earth fault Current withstand capacity of Cu Tape for 1 sec (KA)	0.46 kA for 1 Sec, All 3 Cores Combined	
Inner	Inner Sheath		
a)	Material	Extruded PVC Type ST2 to IS:5831, latest	





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Note:-The values given above are subject to tolerances as per the relevant standards.