



WELDING CABLE

Document ID: TE/QMS/F/02

DESIGN CODE : WCIS00CRUARE001C050S

Particulars		1 Core X 50 Sq.mm
Name of Manufacturer	Polycab India Ltd	
Type of cable	Welding Cable	
No of cores X size in Sq.mm.	1 Core X 50 Sq.mm	
Conductor		
a) Material	Annealed plain bunched high conductivity conductor as per Class 6 of IS 8130/2013, latest	
b) Max. d.c. resistance of conductor at 20° C (ohm/km)	0.386	
c) Shape of conductor	Flexible Circular	
Covering		
a) Material	Extruded HOFR (Heat & oil resistant Flame Reterdant) elastomeric covering as per IS 6380/1984, Latest	
b) Nominal thickness (mm)	2.2	
c) Colour of Core	Orange	
Electrical Parameters		
Maximum conductor temperature under normal operating condition	90° C	
Maximum conductor temperature at the terminal of short circuit	250° C	
High voltage test	1kv	
Continuous Current carrying capacities :-		
a) In 60% duty cycle at Ambient Temp. 30° C (A)	360	
Applicable Standard	IS 8130/2013, IS 6380/1984, Generally IS 9857 with latest up to date updates	
Approx. overall dimension of the cable in (mm)	13.8 ± 2	
Minimum bending radius	5 times Overall diameter	
Printing	Year of manufacturing POLYCAB 1C X 50 SQ.MM HR-90(HOFR) with sequential length marking	

Rev. No.: 00

Issued Date : 23/12/2022

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