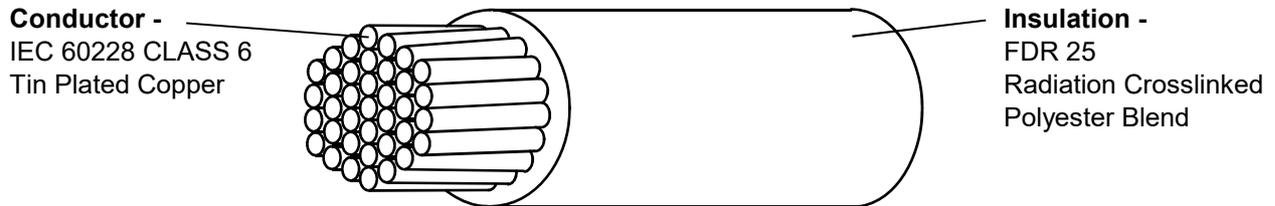


POWER CABLE, RADIATION CROSSLINKED POLYESTER BLEND, TIN PLATED COPPER
600/1000 VOLT, 130°C RATED

The complete requirements for procuring the wire described herein shall consist of this document and the issue in effect of the referenced specifications. This document takes precedence over documents referenced herein.



CONSTRUCTION DETAILS

Part Description	CONDUCTOR						FINISHED WIRE				
	Size (mm ²)	Number of Strands	Max Strand Diameter mm (inch)	Diameter mm (inch)		Maximum Resistance @ 20°C Ω/km (.Ω/kft)	Diameter mm (inch)			Maximum Weight kg/km (lbs/kft)	
				Min	Max		Lower Spec Limit	Target	Upper Spec Limit		
FDI06-1.50-*	1.5	85	0.16 (0.006)	1.38 (0.054)	1.68 (0.066)	12.8 (3.90)	2.80 (0.110)	3.00 (0.118)	3.20 (0.126)	24.0 (16.1)	
FDI06-2.50-*	2.5	7×20	0.16 (0.006)	2.20 (0.087)	2.60 (0.102)	7.76 (2.37)	3.70 (0.146)	3.90 (0.154)	4.10 (0.161)	36.0 (24.2)	
FDI06-4.00-*	4.0	7×33	0.16 (0.006)	2.65 (0.104)	3.00 (0.118)	4.76 (1.45)	4.25 (0.167)	4.50 (0.177)	4.75 (0.187)	58.0 (39.0)	
FDI06-6.00-*	6.0	7×27	0.21 (0.008)	3.35 (0.132)	3.80 (0.150)	3.23 (0.984)	4.95 (0.195)	5.20 (0.205)	5.45 (0.215)	77.0 (51.7)	
FDI06-10.0-*	10.0	19×17	0.21 (0.008)	4.30 (0.169)	4.80 (0.189)	1.88 (0.573)	5.90 (0.232)	6.20 (0.244)	6.50 (0.256)	122 (82.0)	
FDI06-16.0-*	16.0	19×27	0.21 (0.008)	5.20 (0.205)	5.80 (0.228)	1.19 (0.363)	7.10 (0.280)	7.40 (0.291)	7.70 (0.303)	187 (125.7)	
FDI06-25.0-*	25.0	37×21	0.21 (0.008)	6.90 (0.272)	7.70 (0.303)	0.780 (0.238)	9.00 (0.354)	9.30 (0.366)	9.60 (0.378)	275 (184.8)	
FDI06-35.0-*	35.0	37×30	0.21 (0.008)	8.10 (0.319)	9.00 (0.354)	0.550 (0.168)	10.3 (0.406)	10.6 (0.417)	10.9 (0.429)	389 (261.4)	
FDI06-50.0-*	50.0	37×19	0.31 (0.012)	9.60 (0.378)	10.7 (0.421)	0.393 (0.120)	12.1 (0.476)	12.5 (0.490)	12.8 (0.504)	542 (364.2)	
FDI06-70.0-*	70.0	37×27	0.31 (0.012)	11.4 (0.449)	12.6 (0.496)	0.270 (0.082)	14.2 (0.557)	14.6 (0.573)	14.9 (0.587)	780 (524.2)	
FDI06-95.0-*	95.0	37×36	0.31 (0.012)	13.3 (0.524)	14.8 (0.583)	0.200 (0.061)	16.6 (0.654)	17.0 (0.669)	17.4 (0.685)	1020 (685.5)	
FDI06-120.0-*	120.0	37×46	0.31 (0.012)	15.5 (0.610)	17.1 (0.673)	0.160 (0.049)	18.9 (0.744)	19.4 (0.764)	19.9 (0.784)	1389 (933.5)	

COLOUR CODE:

The "*" in the part description shall be replaced by a standard colour code designator in accordance with Mil Std 681.
e.g. FDI06-1.50-0, Black Insulation.
Standard colour - Black but other colours available on request.

PERFORMANCE REQUIREMENTS:

To be tested and meet the requirements of the issue in effect of TE Connectivity Specification WCD2002 (UK) or WCD3304 (US), with exception to:-

Insulation Elongation shall be - 200% Minimum

Insulation Flaws: Routine Spark Test to issue in effect of BS5099:

Conductor Size (mm ²)	Test Voltage	
	H.F (kV)	Impulse (kV)
1.5 - 50.0	7	9
70.0 - 120.0	8	11

APPROVAL:

Electronic sign off - no signatures will appear.