

Screened Multicore Cable to Defence Standard 61-12 Part 4 7-1- *C

pro-POWER



**RoHS
Compliant**

Description

This screened multicore cable is manufactured to Defence Standard 61-12 Part 4 and is designed for high density wiring between components and within instruments and electronic equipment. It is not to be used for the direct connection to Mains Power Supplies.

Reference Standard

Multicore Cable to DEF. STAN. 61-12 part 4. 0.055mm² (7/0.1mm) Conductors, Braid Screened with Black and Grey PVC Jacket

Cable Construction

Conductor

Electrolytic Annealed Tinned Copper Conductor 7/0.1mm

Nominal Core Resistance @ 20°C : 384Ω/km

Current Rating (per core) : 0.25 Amp

Insulation and Conductors

Core insulation of PVC to BS676 type Nom. Radial Thickness 0.2mm

Insulation Resistance : Min. 140MΩ/km

Nominal Overall Ø of Conductor : 0.7mm

Conductors Colour Coded as per DEF. STAN. 61-12 Part 4

Cores wrapped with Plastic Tape

Test Voltage (1 minute, core to core) : 1000V

Braid Screen

2-12 cores 0.08mm Ø TACW Braid Fill factor 70% (nom)

15-25 cores 0.15mm Ø TACW Braid

Sheath

Black and Grey (RAL 1007) PVC jacket to BS6746 Type 6

Temperature Range : 0°C to +70°C

Nominal Voltage : 250V AC rms @ 1600Hz

Minimum Bending Radius : 6 × cable Ø

Insulation Colours table

Core Number	Colour
1	Red
2	Blue
3	Green
4	Yellow
5	White
6	Black
7	Brown

Core Number	Colour
8	Violet
9	Orange
10	Pink
11	Turquoise
12	Grey
13	Red/Blue
14	Green/Red

Core Number	Colour
15	Yellow/Red
16	White/Red
17	Red/Black
18	Red/Brown
19	Yellow/Blue
20	White/Blue
21	Blue/Black

Core Number	Colour
22	Orange/Blue
23	Green/Blue
24	Grey/Blue
25	Yellow/Green

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Part Number Table

Description	No. of Cores	Jacket Colour	Diameter over Cores (mm)	Diameter over Screen (mm)	Jacket Radial Thickness (mm)	Jacket Diameter (mm)	Reel Length (m)	Part Number	
Cable, Screen, DEF 7-1-2C	2	Black	1.2	2	0.4	2.8	25	PP000291	
							100	PP000292	
Cable, Screen, DEF 7-1-3C	3		1.5	2.1		3	25	PP000293	
							100	PP000294	
Cable, Screen, DEF 7-1-4C	4		Grey	1.7		2.3	3.2	25	PP000295
								100	PP000296
		25	25		PP000237				
			100		PP000238				
Cable, Screen, DEF 7-1-6C	6	Black	2.1	2.7	0.45	3.6	25	PP000297	
		100					PP000298		
		Grey					25	PP000239	
							100	PP000240	
Cable, Screen, DEF 7-1-9C	9	Black	2.7	3.3		4.2	25	PP000299	
		100					PP000300		
		Grey					25	PP000241	
							100	PP000242	
Cable, Screen, DEF 7-1-12C	12	Black	2.9	3.6		0.55	4.4	25	PP000301
	100		PP000302						
				Cable, Screen, DEF 7-1-15C			15	3.2	3.9
100	PP000304								
Cable, Screen, DEF 7-1-25C	25		4.2	5.1	6.3		25	PP000305	
							100	PP000306	

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