

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

multicomp PRO

**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	Core Number	Colour	Core Number	Colour	Core Number	Colour
1	Red	8	Violet	15	Yellow/Red	22	Orange/ Blue
2	Blue	9	Orange	16	White/Red	23	Green/Blue
3	Green	10	Pink	17	Red/Black	24	Grey/Blue
4	Yellow	11	Turquoise	18	Red/Brown	25	Yellow/ Green
5	White	12	Grey	19	Yellow/Blue		
6	Black	13	Red/Blue	20	White/Blue		
7	Brown	14	Green/Red	21	Blue/Black		

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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	PP000237						
		100	PP000238						
Cable, Screen, DEF 7-1-6C	6	Black	2.1	2.7	3.6	25	PP000297		
		Grey				100	PP000298		
						25	PP000239		
						100	PP000240		
Cable, Screen, DEF 7-1-9C	9	Black	2.7	3.3	0.45	4.2	25	PP000299	
		Grey					100	PP000300	
							25	PP000241	
							100	PP000242	
Cable, Screen, DEF 7-1-12C	12	Black	2.9	3.6	0.45	4.4	25	PP000301	
							100	PP000302	
Cable, Screen, DEF 7-1-15C	15		3.2	3.9		5.2	25	PP000303	
							100	PP000304	
Cable, Screen, DEF 7-1-25C	25		4.2	5.1		0.55	6.3	25	PP000305
								100	PP000306

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