

# 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. 0.055mm<sup>2</sup> (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		

www.element14.com  
www.farnell.com  
www.newark.com  
www.cpc.co.uk

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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
								100	PP000298
		Grey	25		PP000239				
			100		PP000240				
Cable, Screen, DEF 7-1-9C	9	Black	2.7	3.3	0.45	4.2	25	PP000299	
							100	PP000300	
		Grey				25	PP000241		
						100	PP000242		
Cable, Screen, DEF 7-1-12C	12	Black	2.9	3.6	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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