16-2-xxA & 16-2-xxC Series

Defence Standard 61-12 Part 5

pro-POWER

Applications

These cables are suitable as interconnections between and within instruments and electrical equipment for such applications as data transmission and process control

Technical Data

Maximum Conductor Temperature	: +70°C
Minimum Ambient Temperature	: -55°C after installation and only when cable is in a fixed position
Current Rating	: Maximum of 2.5 A per core
Maximum Working Voltage (Uo / U)	: (Uo / U) 440 V rms at frequencies up to 1,600 Hz
Test Voltage	: 2 KV rms between conductors and between conductors and screen, where applicable
Maximum Conductor Resistance	: 40.1 Ω / Km at 20°C
Minimum Insulation Resistance	: 11 MΩ / Km at 20°C
Conductor Area	: 0.5 mm^2 per core
Spread of Flame	: BS EN 50265-2-1 : Part 1, HD 405-1, IEC 332-1

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Type A Unscreened
Construction

- 16 / 0.2 mm (0.5 mm^2) tinned annealed copper conductor
- Type 16-2-A PVC sheathed overall to BS 6746 having the colours listed in the ‘Identification’ table
- PVC insulated, Polyester biner tape

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Type C Screened
Construction

- 16 / 0.2 mm(0.5 mm^2) tinned annealed copper conductors
- Type 16-2-C PVC sheathed overall to BS 6746 having the colours listed in the ‘Identification’ table
- PVC insulated, Polyester binder tape, tinned copper braid screened overall

DEF STAN 61-12 Part 5 - Screened

Specifications:

Conductors	: 16 / 0.2 mm
Voltage Rating	: 440 V (RMS)
Conductor Area	: 0.5 mm^2 per core
Sheath Colour	: Black
Maximum Current Per Core	: 2.5 A
Maximum Operating Temperature	: 70°C

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Specification Table

Cable Reference	Number of Cores	Colours	Nominal Diameter	Reel Length (m)	Type	Part Number
16-2-2A	2	Blue	5.5	25	Unscreened	850009 25M
				100		850009 100M
16-2-3A	3	Green	5.8	25		850038 25M
				100		850038 100M
16-2-4A	4	Yellow	6.3	25		850010 25M
16-2-6A	6	Black	7.3	25		850011 25M
				100		850011 100M
16-2-8A	8	Violet	8.5	25		850077 25M
				100		850077 100M
16-2-12A	12	Grey	9.5	25		850013 25M
				100		850013 100M
16-2-18A	18	Red / Brown	11.1	25		850014 25M
				100		7001562
16-2-25A	25	Yellow / Green	13.1	25		850015 25M
				100		850015 100M

Note: For bi-coloured cores the base colour is shown in capitals.

Cables with more than 36 cores have a Red and a Blue core laid adjacent to one another in each layer, the remainder of the cores being White.