16-2-xxA and 16-2-xxC Series

Defence Standard 61-12 Part 5

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

DEF STAN 61-12 Part 5

Type A Unscreened
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

DEF STAN 61-12 Part 5

Type C Unscreened
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

Physical Data

Cable Reference	Number of Cores	Colour	Nominal Diameter	Reel Length (m)	Type	Part Number
16-2-4A	4	Yellow	6.7	100	Unscreened	850010 100M

Dimensions : Millimetres (Unless Specified)

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

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