

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

pro-POWER

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 (U _o / U)	: (U _o / 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 mm²) 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 binder tape

DEF STAN 61-12 Part 5

Type C Screened

Construction

- 16 / 0.2 mm (0.5 mm²) 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

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

pro-POWER

Defence Standard 61-12 Part 5

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.

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Pro-POWER is the registered trademark of the Group. © Premier Farnell plc 2012.