

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

pro-POWER

## Defence Standard 61-12 Part 5

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### 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 <sub>o</sub> / U) | : (U <sub>o</sub> / 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 $\Omega$ / Km at 20°C                                                      |
| Minimum Insulation Resistance                | : 11 M $\Omega$ / Km at 20°C                                                      |
| Conductor Area                               | : 0.5 mm <sup>2</sup> 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<sup>2</sup>) 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 mm<sup>2</sup>) 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 <sup>2</sup> per core |
| Sheath Colour                 | : Black                        |
| Maximum Current Per Core      | : 2.5 A                        |
| Maximum Operating Temperature | : 70°C                         |

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



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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.

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