

# 7-2-xxA and 7-2-xxC Series

pro-POWER

## Defence Standard 61-12 Part 4

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Type 7-2-xxA



Type 7-2-xxC



### 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 1 A per core  |
| Maximum Working Voltage       | : (U <sub>o</sub> / U) - 440 V rms at frequencies up to 1,600 Hz                     |
| Test Voltage                  | : 1,000 V rms between conductors and between conductors and screen, where applicable |
| Maximum Conductor Resistance  | : 92 Ω / Km at 20°C  |
| Minimum Insulation Resistance | : 100 MΩ / Km at 20°C  |
| Conductor Area                | : 0.22 mm <sup>2</sup> per core  |
| Sheath Colour                 | : Black  |

### DEF STAN 61-12 Part 4 Unscreened

Type 7-2-xxA

#### Construction

- 7 / 0.2 mm tinned annealed copper conductor
- Type 2 PVC insulation to BS 7655 nominal thickness 0.3 mm
- Polyester binder tape
- Type 6 PVC sheath black to BS 7655

### DEF STAN 61-12 Part 4 Screened

Type 7-2-xxC

#### Construction

- 7 / 0.2 mm tinned annealed copper conductor
- Type 2 PVC insulation to BS 7655 nominal thickness 0.3 mm
- Polyester binder tape
- Tinned annealed copper wire braid screen
- Type 6 PVC sheath Black to BS 7655

# 7-2-xxA and 7-2-xxC Series



## Defence Standard 61-12 Part 4

### Physical Data

| Cable Reference | Number of Cores | Colours        | Maximum Diameter of Cable | Length (m) | Type       | Part Number |
|-----------------|-----------------|----------------|---------------------------|------------|------------|-------------|
| 7-2-2A          | 2               | Blue           | 3.4                       | 25         | Unscreened | 850002 25M  |
|                 |                 |                |                           | 100        |            | 850002 100M |
| 7-2-3A          | 3               | Green          | 3.5                       | 25         |            | 850017 25M  |
| 7-2-4A          | 4               | Yellow         | 3.9                       | 25         |            | 850003 25M  |
| 7-2-6A          | 6               | Black          | 4.6                       | 25         |            | 850004 25M  |
|                 |                 |                |                           | 100        |            | 850004 100M |
| 7-2-8A          | 8               | Violet         | 5.5                       | 25         |            | 850018 25M  |
| 7-2-12A         | 12              | Grey           | 6.1                       | 25         |            | 850005 25M  |
|                 |                 |                |                           | 100        |            | 850005 100M |
| 7-2-18A         | 18              | Red / Brown    | 7.4                       | 25         |            | 850006 25M  |
|                 |                 |                |                           | 100        |            | 850006 100M |
| 7-2-20A         | 20              | White / Blue   | 7.8                       | 25         |            | 850023 25M  |
|                 |                 |                |                           | 100        |            | 850023 100M |
| 7-2-25A         | 25              | Yellow / Green | 8.7                       | 25         |            | 850007 25M  |
|                 |                 |                |                           | 100        |            | 850007 100M |
| 7-2-36A         | 36              | White / Violet | 9.8                       | 100        |            | 850008 100M |

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

Please note: 25 core cables comply with chart except that cores 23 and 24 are coloured white / green and orange / green instead of colours listed

First colour listed is primary shade striped/dotted with secondary colours

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