



## **DEFENCE STANDARD**

### **61-12 Part 4 & 5 Multicore type C Multicore PVC insulated cables Screened 440V R.M.S**

#### **Application**

Ministry of defence approved for general electronic use

#### **Specification**

- Conductors: flexible tinned annealed copper conductor
- Insulation: PVC insulated
- Colour ident. : see chart below
- Binder tape: polyester taped
- Screen: Tinned copper wire braid
- Outer sheath: PVC black or grey (colours can be manufactured)
- Voltage rating: 440 V R.M.S. at 1600Hz
- Temperature rating: 70Deg C maximum operating temperature
- Also available in LSZH

#### **CONDUCTOR IDENTIFICATION FOR DEF-STAN CABLES**

|                    |                   |                   |                     |                    |                    |
|--------------------|-------------------|-------------------|---------------------|--------------------|--------------------|
| 1<br>RED           | 2<br>BLUE         | 3<br>GREEN        | 4<br>YELLOW         | 5<br>WHITE         | 6<br>BLACK         |
| 7<br>BROWN         | 8<br>VIOLET       | 9<br>ORANGE       | 10<br>PINK          | 11<br>TURQUOISE    | 12<br>GREY         |
| 13<br>RED/BLUE     | 14<br>GREEN/RED   | 15<br>YELLOW/RED  | 16<br>WHITE/RED     | 17<br>RED/BLACK    | 18<br>RED/BROWN    |
| 19<br>YELLOW/BLUE  | 20<br>WHITE/BLUE  | 21<br>BLUE/BLACK  | 22<br>ORANGE/BLUE   | 23<br>GREEN/BLUE   | 24<br>GREY/BLUE    |
| 25<br>YELLOW/GREEN | 26<br>WHITE/GREEN | 27<br>GREEN/BLACK | 28<br>ORANGE/GREEN  | 29<br>GREY/GREEN   | 30<br>YELLOW/BROWN |
| 31<br>WHITE/BROWN  | 32<br>BROWN/BLACK | 33<br>GREY/BROWN  | 34<br>YELLOW/VIOLET | 35<br>VIOLET/BLACK | 36<br>WHITE/VIOLET |

\* CABLE CONTAINING UP TO 25 CORES

CORE 23 YELLOW/GREEN

CORE 24 WHITE /GREEN

CORE 25 ORANGE/GREEN

CABLE CONTAINING OVER 25 CORES UP TO 36 CORES AS ABOVE TABLE.

**SPECIFICATION DEF-STAN 61-12 Part 4 7 / 0.20mm (0.20mm)**  
**Rating 1 amp per core**

| CABLE REF | NUMBER OF CORES | NOMINAL O/DIA MM | WEIGHT KG / KM |
|-----------|-----------------|------------------|----------------|
| 7-2-2C    | 2               | 3.9              | 23             |
| 7-2-3C    | 3               | 4.1              | 27             |
| 7-2-4C    | 4               | 4.4              | 32             |
| 7-2-6C    | 6               | 5.6              | 55             |
| 7-2-8C    | 8               | 5.9              | 69             |
| 7-2-12C   | 12              | 6.9              | 83             |
| 7-2-18C   | 18              | 8.2              | 110            |
| 7-2-25C   | 25              | 9.5              | 150            |
| 7-2-36C   | 36              | 10.8             | 200            |

**SPECIFICATION DEF-STAN 61-12 Part 5 16 / 0.2mm (0.5mm)**  
**Rating 2.5 amp per core**

| CABLE REF | NUMBER OF CORES | NOMINAL O/DIA MM | WEIGHT KG / KM |
|-----------|-----------------|------------------|----------------|
| 16-2-1C   | 1               | 3.6              | 24             |
| 16-2-2C   | 2               | 6.5              | 69             |
| 16-2-3C   | 3               | 6.8              | 79             |
| 16-2-4C   | 4               | 7.3              | 92             |
| 16-2-6C   | 6               | 8.3              | 120            |
| 16-2-8C   | 8               | 8.9              | 146            |
| 16-2-12C  | 12              | 10.5             | 190            |
| 16-2-18C  | 18              | 12.5             | 250            |
| 16-2-25C  | 25              | 14.1             | 320            |
| 16-2-36C  | 36              | 16.1             | 450            |