

**Def Stan Type C Screened**



- 1 - 16/0.2mm tinned annealed copper conductor
- 2 - Type TII PVC insulation to BS 7655, nominal thickness 0.45mm
- 3 - Polyester binder tape
- 4 - Tinned annealed copper wire braid screen (c) or aluminium/polyester tape screen (s)
- 5 - Type 6 PVC sheath black to BS 7655

**Defence Standard multi-core to 61 - 12 Part 5**

**Physical Data - Type C**

Cable	Cores	Stranding	Nom Insulation Thickness	Core Diameter		Overall Diameter	
				Min	Max	Min	Max
16-2-2C	2	16/0.2	0.45	1.75	1.90	6.1	6.9
16-2-3C	3	16/0.2	0.45	1.75	1.90	6.4	7.2
16-2-4C	4	16/0.2	0.45	1.75	1.90	6.9	7.7
16-2-6C	6	16/0.2	0.45	1.75	1.90	7.9	8.7
16-2-8C	8*	16/0.2	0.45	1.75	1.90	8.4	9.2
16-2-10C	10 (5 Pair)	16/0.2	0.45	1.75	1.90	10.8	11.8
16-2-12C	12	16/0.2	0.45	1.75	1.90	10.0	11.0
16-2-18C	18	16/0.2	0.45	1.75	1.90	11.5	12.5
16-2-25C	25	16/0.2	0.45	1.75	1.90	13.6	14.6
16-2-36C	36	16/0.2	0.45	1.75	1.90	15.5	16.7
16-2-60C	60	16/0.2	0.45	1.75	1.90	19.1	20.3

NOTE: Cables marked \* are types which are not actually listed in DEF STAN 61-12 (Part 5). However, they have been included because of their suitability and popularity in certain electronic applications. They are manufactured in keeping with similar cables in the Defence Standard.

## Technical Data

**Maximum conductor temp:** + 70°C

**Minimum ambient temp:** -55°C after installation and only when cable is in a fixed position

**Current rating:** maximum of 2.5A per core

**Maximum working voltage:** 440V r.m.s at frequencies up to 1600Hz

**Test voltage:** 2kV r.m.s. between conductors and between conductors and screen, where applicable

**Maximum conductor resistance:** 40.1Ω/km at 20°C

**Minimum insulation resistance:** 11 MΩ.Km at 20°C

**Spread of flame:** BS EN 50265-2-1: Part 1, HD405-1, IEC 332-1

## **Defence Standard Multi-core to 61-12 Part 5**

### **Identification**

1	Red	19	YELLOW / Blue
2	Blue	20	WHITE / Blue
3	Green	21	BLUE / Black
4	Yellow	22	ORANGE / Blue
5	White	23	GREEN / Blue
6	Black	24	GREY / Blue
7	Brown	25	YELLOW / Green
8	Violet	26	WHITE / Green
9	Orange	27	GREEN / Black
10	Pink	28	ORANGE / Green
11	Turquoise	29	GREY / Green
12	Grey	30	YELLOW / Brown
13	RED / Blue	31	WHITE / Brown
14	GREEN / Red	32	BROWN / Black
15	YELLOW / Red	33	GREY / Brown
16	WHITE / Red	34	YELLOW / Violet
17	RED / Black	35	VIOLET / Black
18	RED / Brown	36	WHITE / Violet

Cable ref 16-2-10C is constructed as a 5 Pair cable with the following colour coding

Pair No	Colour
1	white & Blue
2	White & Orange
3	White & Green
4	White & Brown
5	White & Grey

**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 layed adjacent to one another in each layer, the remainder of the cores being white.