

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

Defence Standard 61-12 Part 5

PRO-POWER
Quality Cables



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 2.5A per core.
Maximum working voltage (U _o /U)	: (U _o /U) 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	: 11MΩ/Km at 20°C.
Conductor area	: 0.5mm 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 Unshielded

Construction

- 16/0.2mm (0.5mm²) 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

- 16/0.2mm(0.5mm²) 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	: 16/0.2mm.
Voltage Rating	: 440V (RMS).
Conductor Area	: 0.5mm ² per core.
Sheath Colour	: Black.
Maximum Current per core	: 2.5A.
Maximum Operating Temperature	: 70°C

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PHYSICAL DATA

Cable Reference	Number of Cores	Nominal Diameter	Reel Length (m)	Type	Part Number
16-2-1C	1	3.8	100	Screened	860038 100M
16-2-2C	2	6.9	25		860008
			100		860008 100M
16-2-3C	3	7.2	25		860155 25M
			100		860155 100M
16-2-4C	4	7.7	25		860009
			100		860009 100M
16-2-6C	6	8.7	25		860010
			100		860010 100M
16-2-8C	8	9.2	25		860011 25M
			100		860011 100M
16-2-12C	12	11.0	25		860012 25M
			100		860012 100M
16-2-18C	18	12.5	25		MCCP-1620T-N18C-AXX-61
			100		MCCP-1620T-N18C-AXX-64
16-2-25C	25	14.6	25		MCCP-1620T-N25C-AXX-61
			100		7001551
16-2-2A	2	5.5	25		850009
			100		850009 100M
16-2-3A	3	5.8	25		850038
			100	850038 :	
16-2-4A	4	6.3	25	850010	
			100	850010 100M	
16-2-6A	6	7.3	25	850011	
			100	850011 100M	
16-2-8A	8	8.5	25	850077 25M	
			100	850077	
16-2-12A	12	9.5	25	850013	
			100	850013 100M	
16-2-18A	18	11.1	25	850014	
			100	7001562	
16-2-25A	25	13.1	25	850015	
			100	850015 100M	

Dimensions : Millimetres (Unless Specified)

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IDENTIFICATION

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

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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Notes:

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