

Sub Miniature Multicore Cable to Defence Standard 61-12 Part 4

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 temp: +70°C.

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

Current rating: maximum of 1A per core.

Maximum working voltage: (U_o/U): 440V r.m.s. at frequencies up to 1600Hz.

Test voltage: 1000V r.m.s. 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.

Spread of flame: BS EN 50265-2-1, IEC 332-1.

Availability

Cables within the Type A & C range are available ex-stock up to and including 36 cores. Larger sizes and non standard cables are manufactured to customer order. Further details are available on request.

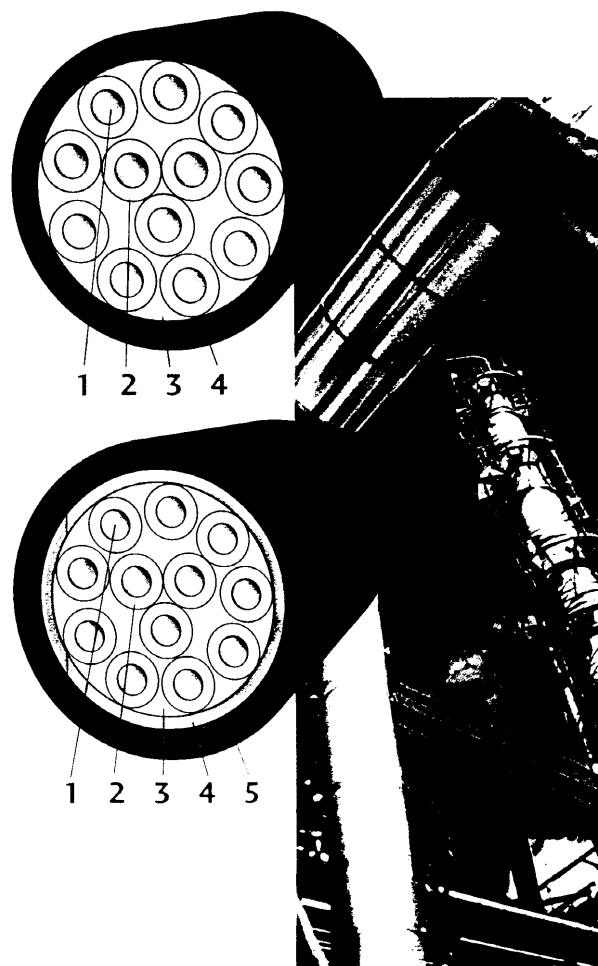
Construction

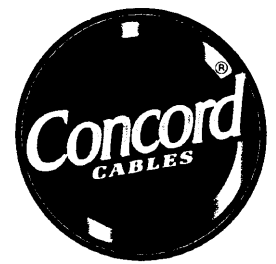
Type A Unscreened -

- 1 7/0.2mm tinned annealed copper conductor.
- 2 Type 2 PVC insulation to BS 7655 nominal thickness 0.3mm.
- 3 Polyester binder tape.
- 4 Type 6 PVC sheath Black to BS 7655.

Type C Screened -

- 1 7/0.2mm tinned annealed copper conductor.
- 2 Type 2 PVC insulation to BS 7655 nominal thickness 0.3mm.
- 3 Polyester binder tape.
- 4 Tinned annealed copper wire braid screen.
- 5 Type 6 PVC sheath Black to BS 7655.





PHYSICAL DATA

Def. Stan. Reference	Nato Stock Number	Number of Cores	Maximum Diameter of Cable	Approx. Nett Weight
	6145-99-		mm	kg/km
7-2-2A	110-8621	2	3.6	13
7-2-3A	110-8624	3	3.8	16
7-2-4A	110-8627	4	4.1	20
7-2-6A	110-8630	6	4.8	30
7-2-12A	110-8633	12	6.4	53
7-2-18A	110-8636	18	7.7	80
7-2-25A	110-8639	25	9.0	100
7-2-36A	110-8642	36	10.1	140
7-2-50A	110-8645	50	12.0	200
7-2-60A	110-8648	60	12.8	230
7-2-2C	110-8622	2	4.1	23
7-2-3C	110-8625	3	4.3	27
7-2-4C	110-8628	4	4.6	32
7-2-6C	110-8631	6	5.9	55
7-2-12C	110-8634	12	7.2	83
7-2-18C	110-8637	18	8.5	110
7-2-25C	110-8640	25	9.8	150
7-2-36C	110-8643	36	11.2	200
7-2-50C	110-8646	50	13.0	270
7-2-60C	110-8649	60	13.8	310

IDENTIFICATION

Core no.	Colour	Core no.	Colour
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

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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