

Unscreened Multicore Cables

pro-POWER

7-1-xxA Series



Feature:

- These standard, miniature sub-miniature cables are manufactured to Ministry of Defence, Defence standard 61-12 part 4 (for miniature and sub-miniature sizes)
- These multicore flexible cables are designed for high density wiring between components and within instruments and electronic equipment. They are extensively used in aircraft, avionic control systems, computers, data processors, process control systems, military vehicles and ancillary military equipment. Because of the mechanical design of these cables they should not be used for direct connection of equipment to mains power supplies
- 7-1-9A and 7-1-15A are core number and sheath colours not specifically listed in Defence Standard 61-12 parts 4, but because of their suitability for applications in the electronics industry are manufactured with these configurations in conformance with specifications for similar cables included in the defence standard
- Defence standard 61-12 Part 4
- Signal security cable

Technical Specifications:

Voltage Rating	: 250 Vrms
Maximum Current Per Core	: 0.25 A
Conductor Area	: 0.055 mm ² per core
Maximum Operating Temperature	: 70°C
Sheath Colour	: Black
Nominal Insulation Radial Thickness on Core	: 0.2 mm
Nominal Core Resistance	: 348 Ω / Km, 20°C
Nominal Conductor Diameter Per Core	: 0.3 mm
Nominal Overall Diameter Per Core	: 0.7 mm

Colour Rotation of Cores

The sequence of colours used for core identification as follows:

Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange, Pink, Turquoise, Grey, Red / Blue, Green/Red, Yellow/Red, White / Red, Red / Black, Red / Brown, Yellow / Blue, White / Blue, Blue / Black, Orange / Blue, Green / Blue, Grey / Blue, Yellow / Green, White / Green, Green / Black, Orange / Green, Grey / Green, Yellow / Brown, White / Brown, Brown / Black, Grey / Brown, Yellow / Violet, Violet / Black, White / Violet

For Bicolour, first colour is base colour, second colour is tracer

Core colours for 25 core cable are as above, excluding Green / Blue, Grey / Blue and Green / Black

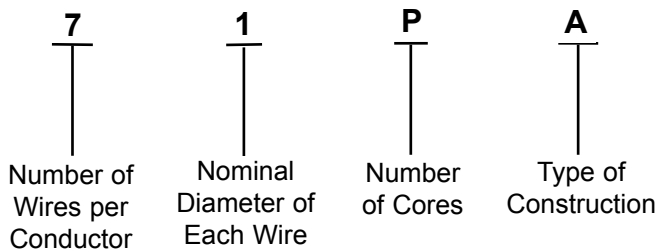
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Specification Table

Cable Reference	Number of Cores	Nominal Diameter		Length (m)	Part Number
		Minimum	Maximum		
7-1-2A	2	2	2.5	25	850062 25M
7-1-3A	3	2.1	2.6		100
				25	850057 25M
7-1-4A	4	2.3	2.8	25	850053 25M
				100	850053 100M
7-1-6A	6	2.8	3.3	25	850063 25M
				100	850063 100M
7-1-9A	9	3.4	3.9	25	850055 25M
				100	850055 100M
7-1-12A	12	3.6	4.1	25	850073 100M
7-1-15A	15	4.1	4.5	100	711615

Part Number Explanation:



Nominal Diameter of Each Wire : 1 = 0.1 mm

Number of Cores : 2, 3, 4, 6, 9, 12, 15, 18, 25 and 36

Type of Construction : A = Tinned Conductors Insulated with PVC to BS6746 Type 2, Overall Sheathed with PVC to BS6746 Type 6

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