

7-1-xxA Series

Unscreened Multicore Cable

PRO-POWER
Quality Cables



Features:

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	: 250V (RMS).
Maximum current per core	: 0.25A.
Conductor area	: 0.055mm ² per core.
Maximum operating temperature	: 70°C.
Sheath colour	: Black.
Nominal Insulation radial thickness on core	: 0.2mm.
Nominal core resistance	: 348Ω/Km, 20°C.
Nominal conductor diameter per core	: 0.3mm.
Nominal overall diameter per core	: 0.7mm.

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 color, second colour is tracer.

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

PRO-POWER
Quality Cables

7-1-xxA Series

Unscreened Multicore Cable

PRO-POWER
Quality Cables

Specifications

Cable Reference	Number of Cores	Nominal Diameter		Length (m)	Part Number
		Minimum	Maximum		
7-1-2A	2	2.0	2.5	25	850062
7-1-3A	3	2.1	2.6		850057
				100	850057 100M
7-1-4A	4	2.3	2.8	25	850053 25M
				100	850053
7-1-6A	6	2.8	3.3	25	850063
				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 25M
				100	850073 100M
7-1-15A	15	4.1	4.5	25	711603
				100	711615
7-1-18A	18	4.2	4.7	25	711627
				100	850070 100M
7-1-25A	25	5.2	5.8	25	711640
				100	850064 100M
7-1-36A	36	5.8	6.4	25	850069 25M

Dimensions : Millimetres (Unless specified)

Type Number Explanation:

7
Number of
Wires per
Conductor

1
Nominal
Diameter of
Each Wire

2
Number of
Cores

A
Type of
Construction

Nominal Diameter of Each Wire : 1 = 0.10mm.

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.

PRO-POWER
Quality Cables

7-1-xxA Series

Unscreened Multicore Cable

PRO-POWER
Quality Cables

Notes:

International Sales Offices:



AUSTRALIA – Farnell InOne

Tel No: ++ 61 2 9645 8888
Fax No: ++ 61 2 9644 7898



FINLAND – Farnell InOne

Tel No: ++ 358 9 560 7780
Fax No: ++ 358 9 345 5411



NETHERLANDS – Farnell InOne

Tel No: ++ 31 30 241 7373
Fax No: ++ 31 30 241 7333



SWITZERLAND – Farnell InOne

Tel No: ++ 41 1 204 64 64
Fax No: ++ 41 1 204 64 54



AUSTRIA – Farnell InOne

Tel No: ++ 43 662 2180 680
Fax No: ++ 43 662 2180 670



FRANCE – Farnell InOne

Tel No: ++ 33 474 68 99 99
Fax No: ++ 33 474 68 99 90



NEW ZEALAND – Farnell InOne

Tel No: ++ 64 9 357 0646
Fax No: ++ 64 9 357 0656



UK – Farnell InOne

Tel No: ++ 44 8701 200 200
Fax No: ++ 44 8701 200 201



BELGIUM – Farnell InOne

Tel No: ++ 32 3 475 2810
Fax No: ++ 32 3 227 3648



GERMANY – Farnell InOne

Tel No: ++ 49 89 61 39 39 39
Fax No: ++ 49 89 613 59 01



NORWAY – Farnell InOne

Tel No: ++ 45 44 53 66 66
Fax No: ++ 45 44 53 66 02



UK – BuckHickman InOne

++ 44 8450 510 150
++ 44 8450 510 130



BRAZIL – Farnell-Newark InOne

Tel No: ++ 55 11 4066 9400
Fax No: ++ 55 11 4066 9410



HONG KONG – Farnell-Newark InOne

Tel No: ++ 852 2268 9888
Fax No: ++ 852 2268 9899



PORTUGAL – Farnell InOne

Tel No: ++ 34 93 475 8804
Fax No: ++ 34 93 474 5288



UK – CPC

++ 44 8701 202 530
++ 44 8701 202 531



CHINA – Farnell-Newark InOne

Tel No: ++86 10 6238 5152
Fax No: ++86 10 6238 5022



IRELAND – Farnell InOne

Tel No: ++ 353 1 830 9277
Fax No: ++ 353 1 830 9016



SINGAPORE – Farnell-Newark InOne

Tel No: ++ 65 6788 0200
Fax No: ++ 65 6788 0300



EXPORT – Farnell InOne

Tel No: ++ 44 8701 200 208
Fax No: ++ 44 8701 200 209

For enquiries from all other markets



DENMARK – Farnell InOne

Tel No: ++ 45 44 53 66 44
Fax No: ++ 45 44 53 66 06



ITALY – Farnell InOne

Tel No: ++ 39 02 93 995 200
Fax No: ++ 39 02 93 995 300



SPAIN – Farnell InOne

Tel No: ++ 34 93 475 8805
Fax No: ++ 34 93 474 5107



ESTONIA – Farnell InOne

Tel No: ++ 358 9 560 7780
Fax No: ++ 358 9 345 5411



MALAYSIA – Farnell-Newark InOne

Tel No: ++ 60 3 7873 8000
Fax No: ++ 60 3 7873 7000



SWEDEN – Farnell InOne

Tel No: ++ 46 8 730 50 00
Fax No: ++ 46 8 83 52 62

<http://www.farnellinone.com>

<http://www.buckhickmaninone.com>

<http://www.cpc.co.uk>

Disclaimer This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Pro-Power is the registered trademark of the Group. © Premier Farnell plc 2004.

PRO-POWER
Quality Cables