

7-2-xxA and 7-2-xxC Series

pro-POWER

Defence Standard 61-12 Part 4

Type 7-2-xxA



Type 7-2-xxC



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 1 A per core
Maximum Working Voltage	: (U _o / U) - 440 V rms at frequencies up to 1,600 Hz
Test Voltage	: 1,000 V rms 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
Conductor Area	: 0.22 mm ² per core
Sheath Colour	: Black

DEF STAN 61-12 Part 4 Unscreened

Type 7-2-xxA

Construction

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

DEF STAN 61-12 Part 4 Screened

Type 7-2-xxC

Construction

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

7-2-xxA and 7-2-xxC Series



Defence Standard 61-12 Part 4

Physical Data

Cable Reference	Number of Cores	Colours	Maximum Diameter of Cable	Length (m)	Type	Part Number
7-2-2A	2	Blue	3.4	25	Unscreened	850002 25M
				100		850002 100M
7-2-3A	3	Green	3.5	25		850017 25M
7-2-4A	4	Yellow	3.9	25		850003 25M
7-2-6A	6	Black	4.6	25		850004 25M
				100		850004 100M
7-2-8A	8	Violet	5.5	25		850018 25M
7-2-12A	12	Grey	6.1	25		850005 25M
				100		850005 100M
7-2-18A	18	Red / Brown	7.4	25		850006 25M
				100		850006 100M
7-2-20A	20	White / Blue	7.8	25		850023 25M
				100		850023 100M
7-2-25A	25	Yellow / Green	8.7	25		850007 25M
				100		850007 100M
7-2-36A	36	White / Violet	9.8	100		850008 100M

Note: For bi-coloured cores the base colour is shown in capitals

Please note: 25 core cables comply with chart except that cores 23 and 24 are coloured white / green and orange / green instead of colours listed

First colour listed is primary shade striped/dotted with secondary colours

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (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 2012.