7/0.2mm def-stan 61-12 part 4 multicore 0.22mm² PVC signal

Designed for high density wiring between components and within electronic equipment.

Suitable for installation indoors or outdoors in dry or moist areas, not recommended for ducted or direct burial applications. Because of the mechanical design of these cables they should not be used for direct connection to mains power supplies.

Commonly available in LSZH (low smoke zero halogen) for increased fire safety.

Construction

0.22mm² stranded high conductivity tinned annealed copper conductors

polyvinylchloride (PVC) core insulation

Type A = unscreened,
Type C = overall tinned copper wire braid screen,
Type S = overall aluminium/polyester foil screen with 7/0.2mm tinned copper drain wire

black PVC outer sheath

Technical

conductor stranding:	7x 0.2mm diameter (0.22mm² area)
bend radius:	7.5 x overall diameter (O/D) fixed
voltage rating:	440V RMS up to 1600Hz operating
current rating:	1 amp
conductor resistance:	92 Ohm/km maximum @ 20°C
temperature range:	0°C to +70°C flexible
standards:	construction according to British Defence Standard 61-12 Part 4
	flame retardant according to BS EN 50265-2-1, IEC 60332-1
core identification:	coloured to British Defence Standard chart

Cable Reference Number	Number of Cores	Screening Option (type)	Overall Diameter (mm)	Overall Weight (kg/km)
7-2-2A	2	Type A (no screen)	3.4	14
7-2-3A	3		3.5	17
7-2-4A	4		3.8	22
7-2-6A	6		4.8	32
7-2-8A	8		5.6	47
7-2-12A	12		6.4	56
7-2-18A	18		7.4	82
7-2-25A	25		8.7	100
7-2-36A	36		9.8	146

Continued on following page

7/0.2mm def-stan 61-12 part 4 multicore 0.22mm^2 PVC signal

Cable Reference Number	Number of Cores	Screening Option (type)	Overall Diameter (mm)	Overall Weight (kg/km)
7-2-2C	2	Type C (braid screen)	3.8	25
7-2-3C	3		4.0	29
7-2-4C	4		4.3	33
7-2-6C	6		5.6	57
7-2-8C	8		6.2	66
7-2-12C	12		6.9	87
7-2-18C	18		8.4	115
7-2-25C	25		9.5	153
7-2-36C	36		10.7	207
7-2-50C	50		12.6	270
7-2-60C	60		13.4	310
7-2-2S	2	Type S (foil screen)	3.7	23
7-2-3S	3		3.9	28
7-2-4S	4		4.1	31
7-2-6S	6		4.7	52
7-2-8S	8		5.7	60
7-2-12S	12		6.2	79
7-2-18S	18		7.9	103
7-2-25S	25		8.8	141

PVC properties: fairly tough & flexible material with fair abrasive resistance, good resistance to water, aqueous salt solutions, acids and alkalis, moderate/poor resistance against organic solvents and oils. Oil resistant PVC (polyvinylchloride) is commonly available.

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