



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

Because of the mechanical design of these cables they should not be used for direct connection to mains power supplies.

Suitable for use outdoors, underground or in ducted applications. Not recommended for indoor use.

**Construction**

0.22mm<sup>2</sup> stranded high conductivity tinned annealed copper conductors

polyvinylchloride (PVC) core insulation, cores twisted together

optional aluminium/polyester foil tape screen with tinned copper drain wire

black PVC inner sheath & polyethylene (PE) outer

**Technical**

conductor stranding:	7x 0.2mm diameter (0.22mm <sup>2</sup> area)
bend radius:	10 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 generally to British Defence Standard 61-12 Part 4 flame retardant according to BS EN 50265-2-1, IEC 60332-1
core identification:	6 core = red, blue, green, yellow, white & black 8 core = as above plus brown & violet 12 core = as above plus orange, pink, turquoise & grey

Number of Conductors	Unscreened Cable Overall		Screened Cable Overall	
	Diameter (mm)	Weight (kg/km)	Diameter (mm)	Weight (kg/km)
6	6.8	52	7.1	53
8	8.0	56	8.5	58
12	9.0	68	9.6	72

**PE (polyethylene) Properties:** tough & fairly flexible with good UV, abrasion, tearing & organic solvent resistance plus excellent resistance to water, inorganic salts, acids/alkalis. PE is halogen free but not flame retardant.

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