



Increasing use of network and data cables between audio and video devices on location calls for a Category 5E cable that is designed specifically for deployable use.

This specialist version of Cat5E F/UTP (screened) has a very tough polyurethane outer jacket, and has moderate flexibility. The jacket is two-layer, the inner layer is low fire hazard material, so the cable can be classed as 'low fire hazard'. It also differs from standard Cat5E construction in that it has two screens, a foil and a braid.

Technical Specification:

Conductors:	7/0.16mm (0.14mm sq.) plain copper	
Insulation:	Foamed polyethylene, according to CW1308 colour code	
Lay-up:	Two insulated conductors twisted together, pairs twisted together.	
Screen 1:	Aluminium/polyester/aluminium tape	
Screen 2:	Tinned copper braid	
Drain wire:	7/0.2mm tinned copper wire (0.22mm sq.), laid up with cores	
Inner jacket:	Low fire hazard material, O.D.5.7mm	
Overall jacket:	Polyurethane, black, O.D. 7.0mm	
Impedance:	100 +/-15 ohms	
Conductor resistance:	12.4 ohms/100m	
Capacitance:	43pF/m	
Attenuation:	1MHz	5.2dB/100m
	10MHz	16.5dB/100m
Near end crosstalk:	1MHz	67dB
	10MHz	53dB
Weight:	4.97kg/100m	
Reel length:	500 metre reels	
Cut lengths:	Available in any multiple of 1 metre	

Cable connector:

Due to the 7mm overall diameter standard Cat5e RJ45 connectors accepting round cables will not fit this cable unless the outer jacket is cut back to accommodate such. Cutting back the outer jacket may not be desirable for deployable applications however. As such the following can accept this data cable without 'cutting back' the outer jacket.

46-608 RJ45 PLUG 8P8CS Cat 6 / 6A, shielded

(Max cable O.D. 7.00mm)

46-658 BEL STEWART SS-39200-030 RJ45 Cat6A FTP, shielded (pack of 5)

(Max cable O.D. 7.49mm)