

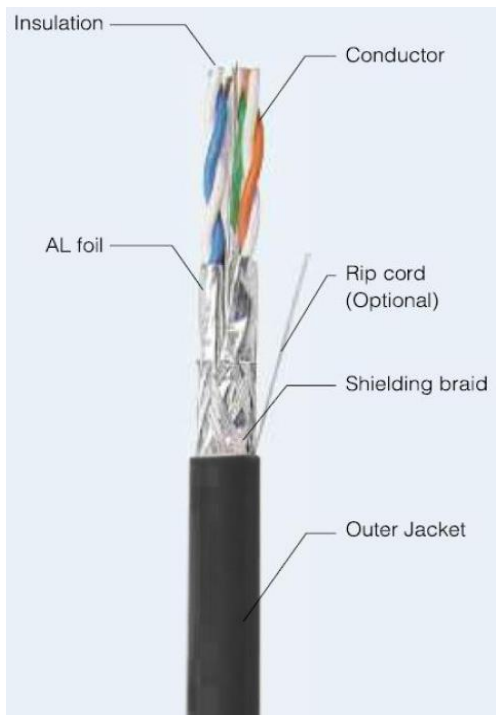
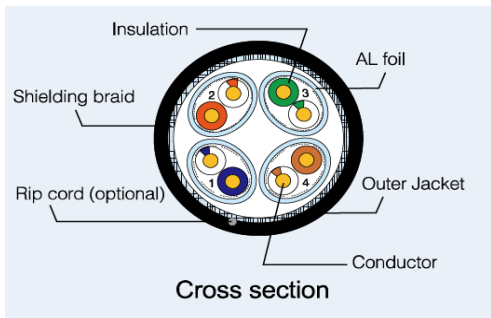
Description

- Rated temperature: 75°C
- Reference standard: UL444, ANSI/TIA-568-C.2, ISO/IEC 11801, IEC 61156-5
- Product standard certification:
- Flame test: N/A
- Oxygen free copper conductor
- Colour-coded PE insulation
- PE (UV Resistant) jacket
- Packaging: Per customer request

Application

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM
- 10 Gb Ethernet

Product figure



Physical characteristics

Structure	Construction	S/FTP	
	Number of Pairs	4 Pairs	
Conductor	AWG	23 AWG	
	Conductor material	Solid bare copper	
	Conductor dimension	0.56±0.01 mm	
Insulation	Insulation material	Foam PE	
	Insulation dimension	1.35 ±0.05mm	
	Number colour (Stripe or pure marking)	1.White/Blue & Blue	
		2.White/Orange & Orange	
3.White/Green & Green	4.White/Brown & Brown		
	Cabling	Twisting lay length	≤30mm
	Cabling lay length	≤200mm	
Filler	Filler material	N/A	
Binder	Binder material	N/A	
Shield	Individual shield & material	AL-Foil	
	Primary overall shield & material	Tinned copper wire braid	
	Secondary overall shield & material	N/A	
	Construction Shield braid	16/4/(0.08±0.01)mm	
	Shield coverage approx	25%	
	Drain wire	N/A	
Outer jacket	Jacket material	PE	
	Jacket thickness nominal	0.60mm	
	Overall nominal dimension	7.70 ±0.30 mm	
	Jacket rip cord	None	
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C	
	Bulk cable weight approx	52.0 kg/km	
	Max. recommended pulling tension	110 N	
	Min. bend radius (install)	8 x O.D.	
	Outer jacket tensile strength	≥ 9.7MPa	
	Outer jacket elongation	≥ 350%	
	Outer jacket aging condition	100 °C x 48 hrs	
	After aging, tensile strength	≥ 75% of Unaging	
	After aging, elongation	≥ 75% of Unaging	
	Cold bend (static)	No Crack (@ -20°C x 4hrs)	
Electrical Characteristics	Nom. mutual capacitance	≤5.6 nF/100m (@1kHz)	
	Pair to ground capacitance unbalance	≤ 160 pF/100m	
	Nominal velocity of propagation	74%	
	Max. delay skew	25 ns/100m	
	Max. conductor DC resistance	9.5 Ω/100m (@ 20 °C)	
	Max. conductor resistance unbalance	5% (@ 20 °C) within a pair	
	Min. insulation resistance	5000 MΩ.km	
	Max. operating voltage - UL	300 V	
	Dielectric strength	(Conductor/conductor,	2,5 kV d.c. for 2 s
		conductor/screen)	Or 1,0 kV d.c. for 1 min

