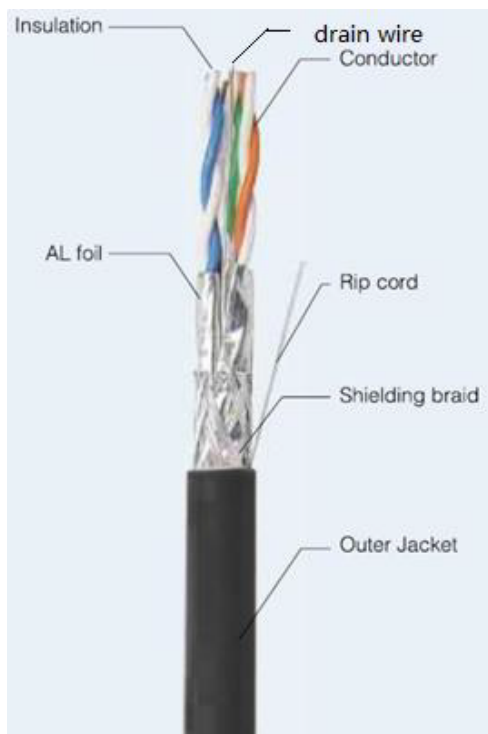
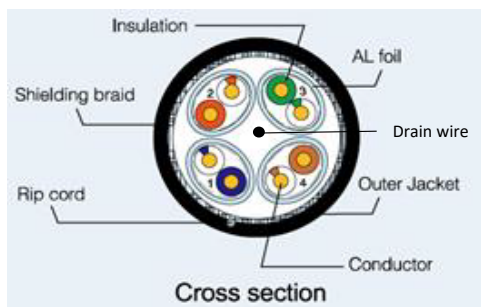


Description	
•	Rated temperature: 75°C
•	Reference standard: UL444, ANSI/TIA-568-C.2 ISO/IEC 11801, IEC 61156-5
•	Product standard certification:
•	Flame test: N/A
•	Oxygen free copper conductor
•	Colour-coded PE insulation
•	PE(UV Resistant) jacket
•	Packaging: Per customer request

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	0.565±0.005mm
Insulation	Insulation material	Foam PE
	Insulation dimension	1.33±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	AL-MG alloy wire braid
	Structure shield	16/4/0.12
	Shield coverage approx	35%
	Drain wire	0.40mm Tinned copper wire
Outer jacket	Jacket material	PE(UV Resistant)
	Jacket thickness nominal	0.60mm
	Overall nominal dimension	7.60 ±0.20 mm
	Jacket color	Per customer request
	Jacket rip cord	YES
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C
	Bulk cable weight approx	42.0 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	≤ 330 pF/100m
	Nominal velocity of propagation	61%
	Max. delay skew	45 ns/100m
	Max. conductor DC resistance	9.38 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	2,5 kV d.c. for 2 s
	(Conductor/conductor, conductor/screen)	Or 1,0 kV d.c. for 1 min

