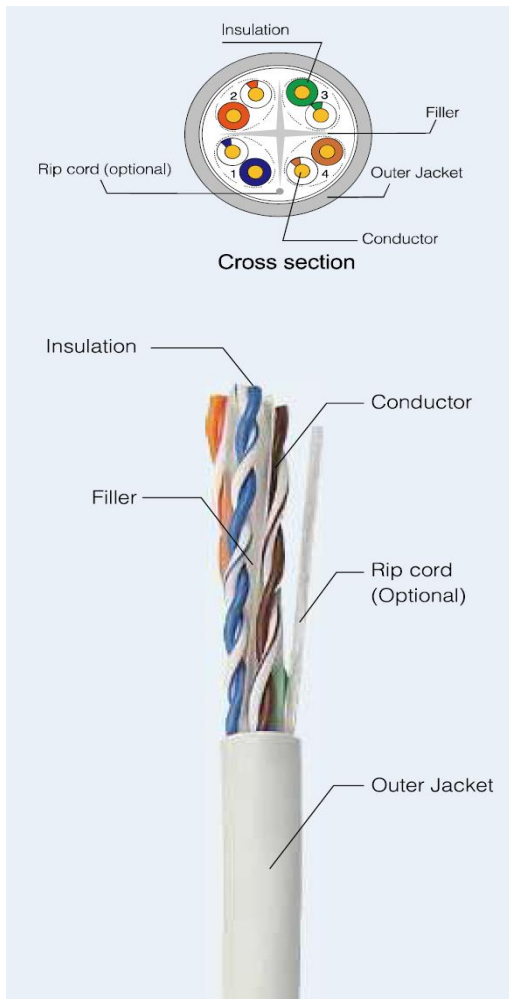


Description

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

Product figure



Application

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

Physical characteristics

Structure	Construction	U/UTP
	Number of Pairs	4 Pairs
Conductor	AWG	23AWG
	Conductor material	Solid bare copper
	Conductor dimension	0.545±0.02 mm
Insulation	Insulation material	HDPE
	Insulation dimension	0.97 ±0.05mm
	Number colour (Ring or 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	PE
Binder	Binder material	N/A
Shield	Individual shield & material	N/A
	Primary overall shield & material	N/A
	Secondary overall shield & material	N/A
	Shield coverage approx	N/A
Outer jacket	Drain wire	N/A
	Jacket material	LSZH
	Jacket thickness nominal	0.55mm
	Overall nominal dimension	6.20 ±0.30 mm
	Jacket color	Per customer request
Mechanical characteristics	Jacket rip cord	Optional
	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)	4 x O.D.
	Outer jacket tensile strength	≥9.0MPa
	Outer jacket elongation	≥100%
	Outer jacket aging condition	100 °C x 168 hrs
	After aging,tensile strength	≥70% of Unaging
	After aging,elongation	≥50% of Unaging
Cold bend	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	67%
	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	Or 1,0 kV d.c. for 1 min

