

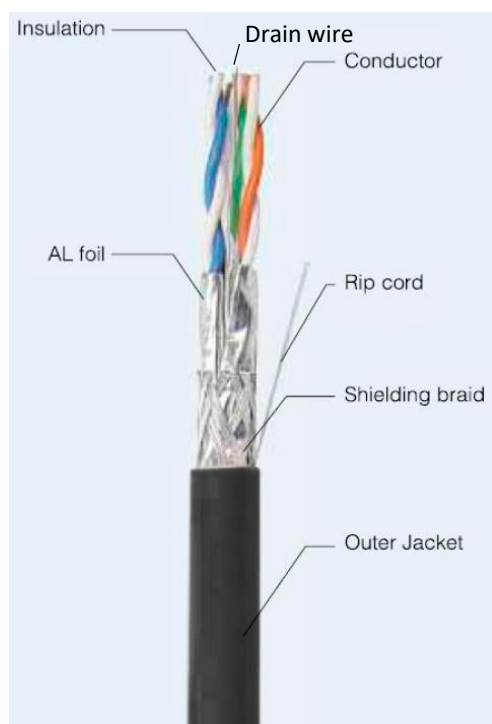
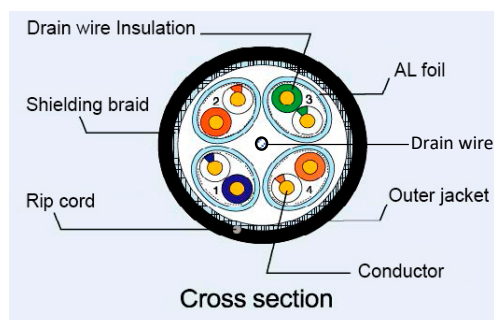
Description

- 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

Product figure



Physical characteristics

Structure	Construction	S/FTP
	Number of Pairs	4 Pairs
Conductor	AWG	24 AWG
	Conductor material	Solid bare copper
	Conductor dimension	0.54±0.01mm
Insulation	Insulation material	Foam PE
	Insulation dimension	1.30±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	48.0 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

CAT6 SOLID/PATCH CORD EIA/TIA 568 4x2AWG 24/1 S/FTP PIMF/SHIELDED 250 MHZ ##V10104## XXXM	Note: 1>marking: Ink jet printer; High: 2.80±0.30mm; 2>The jacket shall be used black jet print marking except white color on black jacket 3>"xxx" is circular meter marking in the format of 001~maximum(eg:305) ,the first pull-out end is the maximum size, 4>marking interval is 1m;
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Revision history:		
V1.0	Initial release	2020/8/31
V1.1	Added the print message in Cable Jacket Marking.	20210402
V1.2	Added rip cord	2021/09/03