

4P 26AWG F/UTP CAT5E Ethernet Cable

PVC Jacket, Matte Grey



PRODUCT DATA SHEET

CAT5E network cable is mainly used for data transmission at a rate of 1000Mbps, with the characteristics of small attenuation, less crosstalk, and smaller delay errors. It can be also used for network connection, termination of wiring project, equipment room or horizontal subsystem, equipment port, and modular patch system connection, such as connecting the LAN interface between the telecom broadband ADSL MODEM and wireless routers, switches, firewalls etc.

Design Number 10679
Part Number 32168798
Customer Number 855870826

CONSTRUCTION

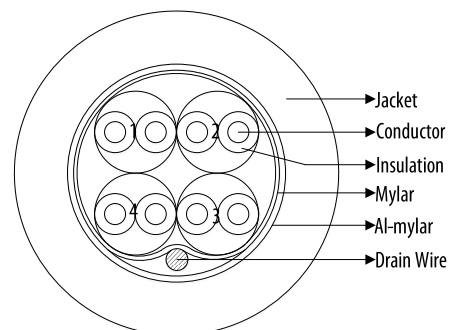
Conductor: Stranded Bare Copper
Conductor Size: 26AWG(7/34 AWG)
Insulation: High Density Polyethylene
Insulation Thickness: 0.22mm(Nom.)
Insulation Diameter: 0.93mm(Nom.)
Assembly: Each pair is twisted, unshielded
Separator: Mylar
Drain Wire: Tinned Copper 26AWG(7/34AWG)
Overall Screen: Aluminized Mylar, coverage 100% with Aluminum side in contact with Drain Wire
Jacket Material: Polyvinyl Chloride
Jacket Thickness: 0.80mm(Nom.)
Overall Diameter: 6.10±0.20mm
Jacket Color: Matte Grey (Pantone 17-5104 TCX)

Print Legend:

ASCENT 4P/26AWG F/UTP EXXXXXX C(UL)US CMX OUTDOOR 90°C CAT 5E
 ("EXXXXXX" UL reference number is pending)

PHYSICAL CHARACTERISTICS

Temperature Rating (°C): 75°C
Operating Temperature (°C): -40°C to +90°C
Reference Standard: TIA/EIA-568-C.2
Safety Characteristics: UL 444
Flame Rating: UL: CMX OUT DOOR/CMR, UL 1581 VW-1/FT1
Min Tensile Load: 180N
Min Bend Radius per TIA/EIA-568-C.2
Cold Bend: Cable to pass Cold Bend per UL 444 at -40°C
RoHS, REACH Compliant



Color Code: 1. White/Blue, Blue 2. White/Orange, Orange
 3. White/Green, Green 4. White/Brown, Brown

ELECTRICAL CHARACTERISTICS

Rated Voltage: 300V
DC Conductor Resistance@20°C: 150 Ω/km Max
Resistance Unbalance@20°C: 5% Max
Insulation Resistance: 5000 MΩ.km Min
Characteristic Impedance: 100±15 Ohm(1-100 MHz)
Delay Skew: 50 ns/100m
Transmission Performance:

Freq. MHz	Att.	RL	NEXT	PSNEXT	ELFEXT	PSELFEXT
	Max. dB	Min. dB	Min. dB	Min. dB	Min. dB	Min. dB
1	3.0	17.0	60.0	57.0	57.4	54.4
4	4.5	17.0	53.5	50.5	45.5	42.4
8	6.3	17.0	48.6	45.6	39.3	36.3
10	7.1	17.0	47.0	44.0	37.4	34.4
16	9.1	17.0	43.6	40.6	33.3	30.3
20	10.2	17.0	42.0	39.0	31.4	28.4
25	11.4	16.0	40.3	37.3	29.4	26.4
31.25	12.9	15.1	38.7	35.7	27.5	24.5
62.5	18.6	12.1	33.6	30.6	21.5	18.5
100	24.0	10.0	30.1	27.1	17.4	14.4

The cable shall meet the requirement of TIA/EIA-568-C.2

Application: Indoor/Outdoor, Sunlight Resistant

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Revision History		
00	2022/11/01	Initial Release
Created L. Jian	Approved A. Huang	

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