

4P 26AWG SF/UTP CAT5E ETHERNET LAN Cable

PUR Jacket



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 10722
Part Number 32176472
Customer Number N/A

CONSTRUCTION

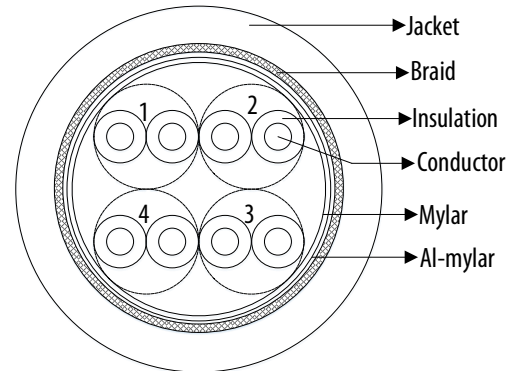
Conductor: Stranded Bare Copper
Conductor Size: 26AWG(7/34 AWG)
Insulation: High Density Polyethylene
Insulation Thickness: 0.23mm(Nom.)
Insulation Diameter: 0.95mm(Nom.)
Assembly: Each pair is twisted, unshielded
Separator: Mylar
Overall Shield: Aluminized Mylar
Braid: Tinned copper, coverage around 85%
Jacket Material: Polyurethane without self-extinguent halogen
Jacket Thickness: 0.55mm(Nom.)
Overall Diameter: 5.80±0.20mm
Jacket Color: Grey (RAL 7001)

Print Legend:

ASCENT 4PR 26AWG PUR SF/UTP 80°C CAT5E ETHERNET LAN Cable

PHYSICAL CHARACTERISTICS

Temperature Rating (°C): -40°C to +80°C
Reference Standard: TIA/EIA-568.2-D, ISO /IEC 11801
Flame Test: IEC 60332-1-2
Stationary Cable Bending Radius: 60mm
Max Translation Speed: 30m/min
Max Acceleration: 3m/ sec²
RoHS Compliant



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

ELECTRICAL CHARACTERISTICS

DC Conductor Resistance@20°C: 145 Ω/km Max
Resistance Unbalance@20°C: 5% Max
Test Voltage: 1 kV
Insulation Resistance: 5000 MΩ.km Min
Characteristic Impedance: 100±15 Ohm(1-100 MHz)
Capacitance Unbalance to Ground: 160pF/100m Max
Delay Skew: 50 ns/100m
Transmission Performance TIA CAT5E Channel

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	45.4	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

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Revision History		
00	2023/02/24	Initial Release
01	2023/03/06	Translation speed, Acceleration value are added
Created L. Jian Approved A. Huang		

Milwaukee | 5001 South Towne Dr. New Berlin, WI 53151, USA
Frankfurt | Rudolf-Braas-Strasse 2, D-61381 Friedrichsdorf, Germany
Luton | Unit 11, Humphrys Road, Woodside Industrial Estate, Dunstable, LU5 4TP, UK
Suzhou | B2-2 Weiting Industrial - Workshop A, No. 9 Weixin Road, Suzhou Industrial Park, China

