

4P×24AWG F/UTP CAT5E Cable



PRODUCT DATA SHEET

Industrial Ethernet Cable, Harsh Environments, 100MHz Category 5e,
Gigabit Ethernet, 100Base TX, 100BaseVG ANYLAN, 155ATM, 622ATM,
NTSC/PAL Component or Composite Video, AES/EBU Digital Audio, RS-422,
RJ-45 Compatible, Noisy Environments.

Design Number 10796
Part Number 32179648
Customer Number N/A

CONSTRUCTION

Conductor: Stranded bare copper
Conductor Size: 24AWG(7/0.20mm)
Insulation: High Density Polyethylene
Insulation Diameter: 1.08mm(Nom.)
Overall tape: Mylar
Drain Wire: Tinned Copper, 26AWG, 7/0.16mm
Screen: Al-Mylar
Jacket Material: Polyvinyl Chloride
Overall Diameter: 6.50mm (Nom.)
Jacket Color: Grey or According to customer's request

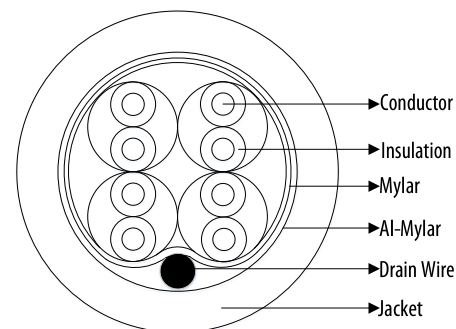
Print Legend:

ASCENT E478021** (UL) CM 4PAIR 24AWG 75C F/UTP CAT5E xxxxxm

Note: "***" is Factory Code

MECHANICAL CHARACTERISTICS

Operating Temperature (°C): -20°C to +75°C
Min Bending Radius: 4x OD (Fixed), 8x OD (Flexing)
Flame Test: IEC 60332-1-2
Reference Standard: TIA-568.2-D, ISO/IEC 11801, UL 444 CM
RoHS Compliant



Color Code: 1. White/blue, Blue 2. White/orange, Orange
3. White/green, Green 4. White/brown, Brown

ELECTRICAL CHARACTERISTICS

Conductor Resistance@20°C: 90 Ω/km Max
Resistance Unbalance@20°C: 5% Max
Insulation Resistance@20°C: 5000 MΩ.m Min
Characteristic Impedance(1-100MHz): 100±15 Ohm
Delay Skew: 50ns/100m
Capacitance Unbalance to Ground: 160 pF/100m Max
Velocity Propagation: 69%

Technical Performance:

Freq. MHz	Att.	RL	NEXT	PSNEXT	ELFEXT	PSELFEXT
	Max. dB/100m	Min. dB	Min. dB	Min. dB	Min. dB	Min. dB
1	2.4	20.0	65.3	62.3	63.8	60.8
4	4.9	23.0	56.3	53.3	51.8	48.8
8	6.9	24.5	51.8	48.8	45.7	42.7
10	7.8	25.0	50.3	47.3	43.8	40.8
16	9.9	25.0	47.2	44.2	39.7	36.7
20	11.1	25.0	45.8	42.8	37.8	34.8
25	12.5	24.2	44.3	41.3	35.8	32.8
31.25	14.1	23.3	42.9	39.9	33.9	30.9
62.5	20.4	20.7	38.4	35.4	27.9	24.9
100	26.4	19.0	35.3	32.3	23.8	20.8

All trademarks are property of their respective owners. All specifications are subject to change.

Revision History		
00	2023/05/31	Initial release
01	2023/06/08	Part number 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

