CAT5E FTP 24AWG 4PRS CMR 350MHZ Shielded

24AWG • 4 Twisted Pairs • CMR
F/UTP • 350MHz • Solid Copper

Lengths Available

• 1000ft

Key Features

- Bandwidth tested up to 550 MHz
- Suitable for 1 Gigabit and 5 Gigabit Ethernet up to 328 ft
- In compliance with ANSI/TIA 568.2-D
- RoHS-3 Compliant
- Easily identified color striped pairs
- Supports Power over Ethernet: PoE/PoE+/ PoE++ (IEEE 802.3af/at/bt) 4PPoE up to 90W
- Sequential footage markings every 2ft

Technical Data

Insulation	PE
Average Thickness (mm)	0.25
Min Point Thickness (mm)	0.22
Conductor Insulation Dia. (±0.02mm)	**1.02**
Twisted Pair Dia. (±0.02mm)	**2.04**
Ripcord	Nylon
Polyethylene and Aluminum foil Tape	Present
Drain	Present
Shielding	F/UTP

Conductor	Solid Bare Copper
Size	24AWG
Conductor Dia. (±0.05mm)	0.51

Standards Reference

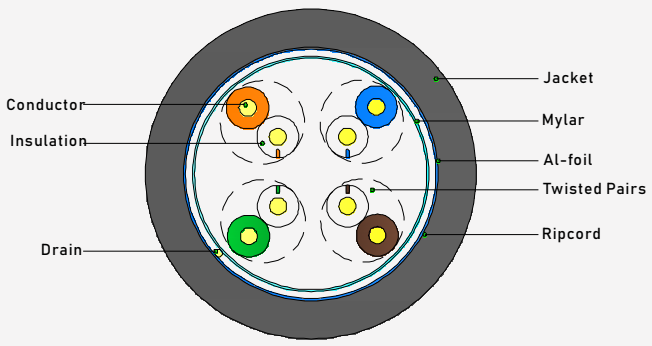
UL-444 / cETLus

ANSI/TIA 568-2.D

ISO/IEC 11801

Color of Pairs	
Pair 1	Blue- White/Blue
Pair 2	Orange- White/Orange
Pair 3	Green- White/Green
Pair 4	Brown- White/Brown

Cable Jacket	PVC
Average Thickness (mm)	0.50
Min. Point Thickness (mm)	0.45
Outer Diameter (±0.2mm)	**6.0**



Print Legend

ACONKAWA CAT5E FTP 24AWG 4PRS CMR 350MHZ VERIFIED TO ANSI/TIA 568.2-D xxxxFT

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Electrical Characteristics

PoE Certification	PoE/PoE+/PoE++ 4PPoE
Maximum PoE Wattage	90W
PoE Application Compatibility	802.3af/at/bt Type 4
TIA 568-2.D Cat6 Permanent Link +PoE	CERTIFIED
Maximum Application Speed @ 295ft	5GBASE-T
Nominal Velocity of Propagation (NVP)	68.2
Maximum Operating Voltage	300V
1.0 - 550MHz Impedance (Ω)	100 ± 15
Maximum Operating Frequency	550MHz
1.0 - 550MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/km)	≤3300
Max. Conductor DC Resistance 20°C (Ω/km)	97

Mechanical & Environmental Operating Parameters

Test Object	Jacket
Test Material	PVC
Before- Tensile Strength (Mpa)	≥13.8
Aging- Elongation (%)	≥100
Min. Bend Radius	2.5cm/1.0in
Max. Installation Tension	110N/25lb-ft

Aging Condition (°C x hrs)	100 x 168
After Tensile Strength (Mpa)	≥85% of unaged
Aging Condition - Elongation (%)	≥50% of unaged
Cold Bend(-20 ± 2°C x 4hrs)	No Crack
Operating & Storage Temp.	-40°C to 75°C | -40°F to 167°F
Installation Temp.	-20°C to 75°C | -4°F to 167°F