



Product Specification

Category 5e UTP Cable, 24AWG×4P, TYPE CM

STANDARD COMPLIANCES

All Category 5e Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standards:

ANSI/TIA-568-C.2 Cat.5e

2nd Edition ISO/IEC 11801 Class D, CENELEC EN 50173-1

IEC 61156-5, CENELEC EN 50288-3-1 for Horizontal Cable

Flame Retardancy is Verified According to IEC 60332-1-2

Our products always comply with RoHS and REACH Directives.



CONSTRUCTION & CHARACTERISTICS

Conductor	Material / Size	Bare Copper / 24AWG
Insulation	Material	HDPE
	Thickness	Nominal: 0.182 mm
	Diameter	Nominal: 0.863 mm
	Colors	Blue/White-Blue Orange/White-Orange
		Green/White-Green Brown/White-Brown
	Unaged Elongation	Min. 300%
Unaged Tensile Strength	Min. 1.683 Kgf/mm²	
Jacket	Material	Flame Retardant PVC
	Thickness	Nominal: 0.5 mm
	Diameter	Nominal: 5.0 mm
	Color	Assorted upon request
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 1.407 Kgf/mm²
	Aging at 100°C for 168Hrs	Min. elongation retention: 50%
		Min. tensile strength retention: 85%
Marking		FIBRACK FASTLAN CAT 5E U/UTP 24 AWGX4P CM 60 C ETL VERIFIED TO TIA-568-C.2 CAT 5E RoHS & ISO/IEC 11801 ED.2 & EN50288-6-2 & IEC 60332-1-2

APPROVALS

UL/cUL Listed

ETL/3P Certified ANSI/TIA-568-C.2 Category 5e Testing Performance Requirements.



APPLICATIONS

1000BASE-T Gigabit Ethernet

10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)

100 VG - AnyLAN (IEEE 802.12)

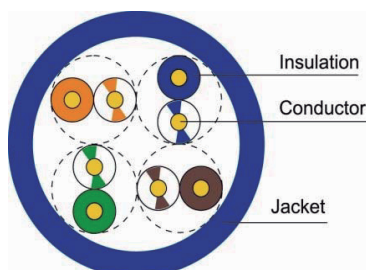
155/622 Mbps ATM, Video, Voice, T1, ISDN

ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation		1200 V dc or 850 V ac / 2 seconds		
Insulation Resistance Test		Min. 5000 M Ω /m		
Conductor Resistance		Max. 9.38 Ω /100m at 20 °C		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	1~100MHz	100 Ω $\pm$ 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Max.Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (dB), Min.
	1 MHz	2.0*	65.3*	62.3*
	4 MHz	4.1*	56.3*	53.3*
	10 MHz	6.5*	50.3*	47.3*
	16 MHz	8.2*	47.2*	44.2*
	20 MHz	9.3*	45.8*	42.8*
	31.25 MHz	11.7*	42.9*	39.9*
	62.5 MHz	17.0*	38.4*	35.4*
	100 MHz	22.0*	35.3*	32.3*
The asterisked (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula: NEXT(f MHZ) $\geq$ NEXT(0.772)-15LOG10(f MHZ/0.772)dB				

CONFIGURATIONS

orange 2	green 3
white/orange	white/green
blue 1	brown 4
white/blue	white/brown



ORDER INFORMATION

Part NO.	Part NO. 11804UCM FIBRACK FASTLAN CAT 5E U/UTP Cable, 24AWG×4P, TYPE CM
Description.	11: Cat 5e 8: LAN Cable 04: Jacket gray color 05: Jacket blue color U: U/UTP CM: Jacket, TYPE CM