

Category 5e U/UTP Horizontal Cable, 24AWG×4P TYPE CMR-CMX Outdoor & Sunlight Resistance

STANDARD COMPLIANCES

All Proposed Category 5e Requirements as per ANSI/TIA, ISO/IEC, and UL Standards:

ANSI/TIA-568.2-D Cat.5e

ISO/IEC 11801-1 Edition 1.0 Class D

Flame Retardancy is verified according to UL 1666

Weatherometer test is verified according to UL 444

Our products always comply with ROHS and REACH Directives.

CONSTRUCTION & CHARACTERISTICS

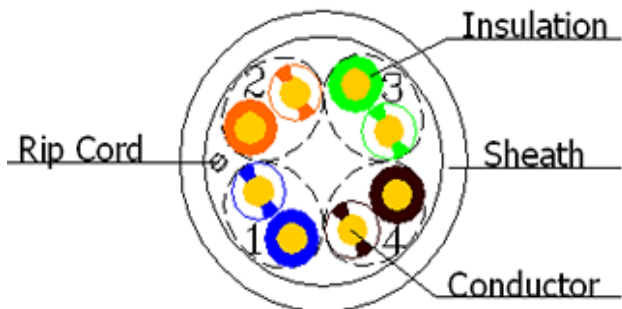
Conductor	Material / Size	Bare Copper / 24AWG
Insulation	Material	FRPE
	Thickness	Nominal: 0.194 mm
	Diameter	Nominal: 0.896 mm
	Colors	Blue/White-Blue Orange/White-Orange
		Green/White-Green Brown/White-Brown
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 0.847 Kg/mm ²
Jacket	Material	PVC (Type CMR-CMX with sunlight resistance)
	Thickness	Nominal: 0.5 mm
	Diameter	Nominal: 5.2 mm
	Color	Assorted upon request
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 1.407 Kg/mm ²
	Aging at 100°C for 168Hrs	Min. elongation retention:50%
Min. tensile strength retention:85%		
Marking	PSI DATA UTP CAT5e ETL VERIFIED TO ANSI/TIA-568-C.2 ▲ 24AWG 4PR (UL) CMX OUTDOOR - CMR E164469-XX XXXFT	

NOTE: Rip cord

APPROVALS



CONFIGURATION



APPLICATIONS

1000BASE-T Gigabit Ethernet
 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
 550MHz Broadband Video
 Voice, T1, ISDN

ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation	2500 V dc or 1500 V ac / 2 seconds			
Insulation Resistance Test	Min. 5000 MΩ/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			
Installation temperature	0 to +50°C			
Operation temperature	-20 to +60°C			
Impedance	1~100MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB), Max.	NEXT (dB), Min.	PSNEXT (dB), Min.
	1 MHz	2.1*	60.0*	57.0*
	4 MHz	3.9*	54.8*	51.8*
	8 MHz	5.5*	50.0*	47.0*
	10 MHz	6.2*	48.5*	45.5*
	20 MHz	8.9*	43.7*	40.7*
	31.25 MHz	11.2*	40.5*	37.5*
	62.5 MHz	16.2*	35.7*	32.7*
	100 MHz	21.0*	32.3*	29.3*
The asterisked (*) value are for information only.				
Technical Performance : Fluke Permanent link 90M pass.				

ORDER INFORMATION

Part No. **5ECMRX-BX**
 Cable Marking: PSI DATA UTP CAT5e ETL VERIFIED TO ANSI/TIA-568.2.D ▲
 24AWG 4PR (UL) CMX OUTDOOR - CMR E164469 XXXXFT