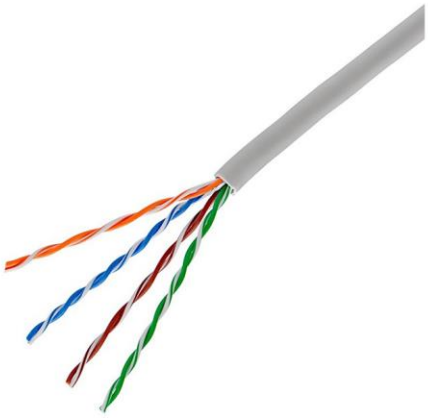
Category 5E UTP Horizontal Cable
24AWG×4P



STANDARD COMPLIANCES

All Proposed Category 5e requirements as per ANSI/TIA, ISO/IEC Standards, ANSI/TIA-568-C.2 Cat.5E
ISO/IEC 2nd Edition 11801 CLASS D
Our products always comply with RoHS and REACH Directives

CONSTRUCTION & CHARACTERISTICS

Conductor	Material / Size	Bare Copper / 24AWG
Insulation	Material	PE
	Thickness	Nominal: 0.186 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	PVC
	Thickness	Nominal: 0.5 mm
	Diameter	Nominal: 4.9 mm
	Color	Gray
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min.1.407Kgf/mm²
	Aging at 100℃ for 168Hrs	Min. elongation retention:50%
		Min. tensile strength retention:75%
Marking		OXNET CAT.5E U/UTP 24AWG INSTALLATION 3P VERIFIED TO ISO/IEC 11801 EN50173 -Euroclass Eca DOP-C07 xxxxxxM

APPROVALS

UL/cUL listed

APPLICATIONS

1000BASE-TX 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		1200 V dc or 850 V ac / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ/m		
Conductor Resistance		Max. 9.38 Ω/100m at 20℃		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	1~100MHz	100Ω ± 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*
	25 MHz	10.4*	44.3*	41.3*
	31.25MHz	11.7*	42.9*	39.9*
	62.5 MHz	17.0*	38.4*	35.4*
	100MHz	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) ≧ NEXT(0.772)-15LOG10(f MHZ/0.772)dB*				

CONFIGURATION

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