

MODELO	EPRO-CAT5E
DESCRIPCION	CABLE UTP CAT5E ENSON EPRO-CAT5E 100% COBRE 24AWG GRIS

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

STANDARD COMPLIANCES

All 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	HDPE
	Thickness	Nominal: 0.191 mm
	Diameter	Nominal: 0.873 mm
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
	Unaged Elongation	Min. 300%
	Unaged Tensile Strength	Min. 1.683 Kg/mm ²
Jacket	Material	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 Kg/mm ²
	Aging at 100°C for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:75%
Marking	as customer requested	

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

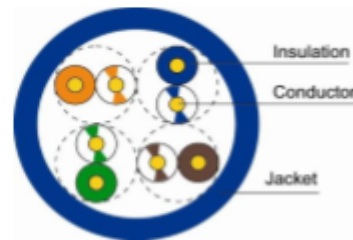
ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation		2500 V dc / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ·Km		
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	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*
	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: $NEXT(f \text{ MHz}) \geq NEXT(0.772) - 15 \text{ LOG}_{10}(f \text{ MHz}/0.772) \text{ dB}$

CONFIGURATION

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



ORDER INFORMATION

Part NO.

Description. Category 5E UTP Horizontal Cable, 24AWG(min.0.485mm)×4P, TYPE CMH

E: Cat.5e

U: UTP

H4: Horizontal Cable

04: 4 Pair

H: Jacket,TYPE CMH

X1: Packing: R:Reel or N: w/o Reel

XXX2: Length, Meter: 305: 305m 500: 500m 610: 610m

XX3: Jacket Color: WH:White RD:Red YL:Yellow BL:Blue BK:Black GY:Gray

*Others: Available on Requests.