MODELO	EPRO-CAT5E-FTPE
DESCRIPCION	CABLE FTP EXTERIOR CAT5E ENSON EPRO-CAT5E-FTPE 100% COBRE 23AWG DOBLE COBERTURA NEGRO

Category 5e F/UTP Horizontal Cable, 24AWG×4P, Double Jacket, PE

STANDARD COMPLIANCES

All Category 5e Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standards:
ANSI/TIA-568-C.2 Cat.5e
ISO/IEC 2nd Edition 11801 Class D
CENELEC EN 50173-1
IEC 61156-5, CENELEC 2nd Edition EN 50288-2-1 for horizontal cable.
Flame retardancy is tested according to UL1581
Our products always comply with RoHS and REACH Directives.

CONSTRUCTION & CHARACTERISTICS

Conductor	Material / Size	Bare Copper / 24AWG
Insulation	Material	HDPE
	Thickness	Nominal: 0.209 mm
	Diameter	Nominal: 0.926 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
Screen	Material	Aluminum-Mylar tape
Drain Wire	Material	Tinned copper
Inner Jacket	Material	Flame Retardant PVC
	Thickness	Nominal: 0.45 mm
	Diameter	Nominal: 4.8 mm
	Color	Assorted upon request
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 1.407 Kgf/mm²
	Aging at 100℃ for 168Hrs	Min. elongation retention: 50%
		Min. tensile strength retention: 85%
Outer Jacket	Material	PE
	Thickness	Nominal: 0.55 mm
	Diameter	Nominal: 6.6 mm
	Color	Black(For UV Resistant)
	Unaged Elongation	Min. 350%
	Unaged Tensile Strength	Min. 0.989 Kgf/mm²
	Aging at 100℃ for 168Hrs	Min. elongation retention: 50%
		Min. tensile strength retention: 75%
Marking		CAT.5E FTP (OUTDOOR USE) 24AWGX4P INSTALLATION CONFORMS TO ANSI/TIA-568-C.2 & ISO/IEC 11801 ED.2 &EN 50288-2-1 [XXXXXXM]
		or as customer request.

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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

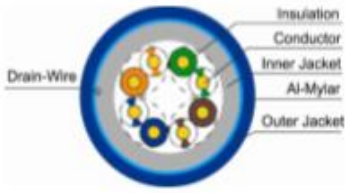
ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation		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	Max.Attenuation	NEXT	PSNEXT
	(MHz)	(dB/100 meters)	(dB), Min.	(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) ≥ 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



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ORDER INFORMATION

Part NO.

Description. Category 5e F/UTP Horizontal Cable, 24AWG×4P, Double Jacket,PE

E: Cat.5e FB: F/UTP (Double Jacket)

H: Horizontal Cable 04: 4 Pair

E: Jacket, PE(outdoor)

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

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

BK: Jacket Color, Black

*Others: Available on Requests.

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