

Category 5e FTP Horizontal Cable, 24AWG×4P, Double Jacket PE+Steel Wire (Outdoor)

Part NO. YLC-EFBH04-GR-XXX1BK



Product Specification

STANDARD COMPLIANCES:

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

ANSI/TIA-568-B.2 CAT.5e

ISO/IEC 2nd Edition 11801 Class D

EN 50173-1, IEC 61156-5, CENELEC 2nd Edition EN 50288-2-1 for horizontal cable

Flame Retardancy is verified according to IEC 60332-1-2.

We Implemented RoHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC

CONSTRUCTION & CHARACTERISTICS:

	Conductor	Material / Size	Bare Copper / 24 AWG
	Insulation	Material	HDPE
		Thickness	Nominal: 0.269 mm
		Diameter	Nominal: 1.055 mm
		Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
		Elongation	Min. 100%
		Tensile Strength	Min. 0.847 Kg/mm ²
	Shield	Al-Mylar Type	Aluminum foil on inside
	Drain Wire	Material	Tinned Copper / 26 AWG
	Inner Jacket	Material	PVC
		Thickness	Nominal: 0.50 mm
		Diameter	Nominal: 6.1 ± 0.3mm
		Color	Assorted upon request
		Elongation	Min. 100%
		Tensile strength	Min. 1.407 Kg/mm ²
		Aging at 100°C for 168Hrs	Min. elongation retention: 50% Min. tensile strength retention: 75%
	Outer Jacket	Material	LDPE
		Thickness	Nominal: 0.65 mm
		Diameter	Nominal: 7.4 * 10.6 (L) mm
		Color	Black
		Elongation	Min. 100%
		Tensile strength	Min. 0.9894 Kg/mm ²
		Aging at 100°C for 168Hrs	Min. elongation retention: 50% Min. tensile strength retention: 75%

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Marking	YFC CAT.5E FTP 24AWGX4P INSTALLATION SELF-SUPPORTING CABLE COMPLIANCE with ISO/IEC 11801 ED.2 & EN 50288-2-1 & ANSI/TIA-568-B.2 & IEC 60332-1-2 XXXXXM or as customer request.
Self-supporting Material	Solid Steel Wire
Packing	Spool only

APPLICATIONS:

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN
- Suitable for aerial installation, CATV system and for subscriber networks.

ELECTRICAL PERFORMANCES:

Spark Test		850 V ac		
Dielectric Strength		2500 V dc / 3 seconds		
Insulation Resistance Test		Min. 150 MΩ/Km		
Conductor Resistance		Max.9.38Ω/100m at 20℃		
Resistance Unbalance		Max. 5%		
Capacitance Unbalance		Max. 330 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	722kHz	102Ω ± 15%		
	1~125MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB/100M),Max.	Next (dB), Min.	Power Sum (dB), Min.
	772KHz	--	67.0*	64.0*
	1MHz	--	65.0*	62.0*
	4 MHz	4.1*	56.0*	53.0*
	8 MHz	5.8*	51.0*	48.0*
	10 MHz	6.5*	50.0*	47.0*
	16 MHz	8.2*	47.0*	44.0*
	20 MHz	9.3*	45.0*	42.0*
	25 MHz	10.6*	44.0*	41.0*
	31.25 MHz	11.7*	42.0*	39.0*

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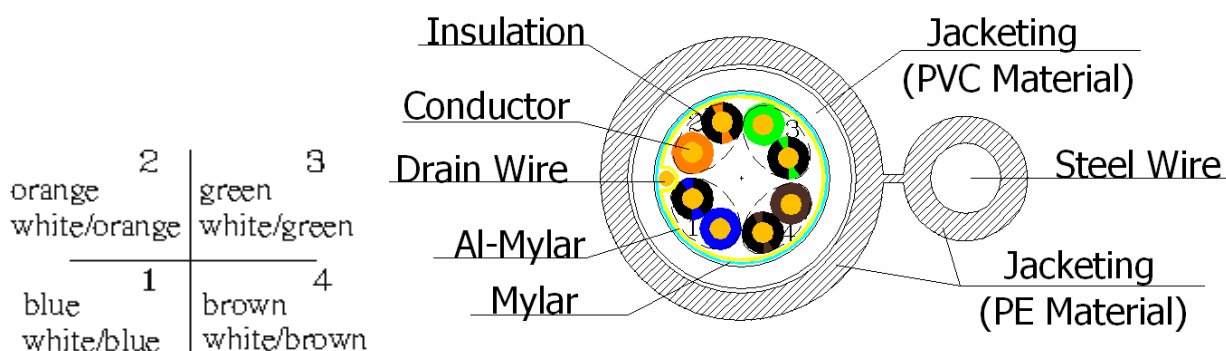


	62.5 MHz	17.0*	38.0*	35.0*
	100 MHz	21.0*	35.0*	32.0*
	125 MHz	25.0*	34.0*	31.0*

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:

$$\text{NEXT}(f \text{ MHz}) \geq \text{NEXT}(0.772) - 15 \log_{10}(f \text{ MHz} / 0.772) \text{ dB}$$

CONFIGURATION:



ORDERING INFORMATION:

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Description. Category 5e FTP Horizontal Cable, 24AWG×4P, Double Jacket, PE+Steel Wire (Outdoor)

YLC: YFC LAN Cable

E: Cat.5E

FB: FTP (Double Jacket)

H: Horizontal Cable

04: 4 Pair

G: Jacket, PE+Steel Wire (Outdoor)

R: Packing, w/o Reel

XXX1: 305: 305m 500: 500m 610: 610m

BK: Color Black

Others: Available on Requests .

*Although YFC-BonEagle has taken precautions to ensure the accuracy of the product specifications at the time of publication, however, we cannot be responsible for the errors, omissions, or changes due to obsolescence. All data contained herein is subject to change without notice.