30 Years Of Excellence...

Category 6A U/FTP Horizontal Cable
23AWG×4P, TYPE CMR

STANDARD COMPLIANCES

All Proposed Category 6A Requirements as Per ANSI/TIA, ISO/IEC & UL Standards.
ANSI/TIA-568.2-D Cat.6A
ISO/IEC 11801-1 Edition 1.0 Class EA
Flame Retardancy is verified according to UL 1666
Our products always comply with RoHS and REACH Directives.

CONSTRUCTION & CHARACTERISTICS

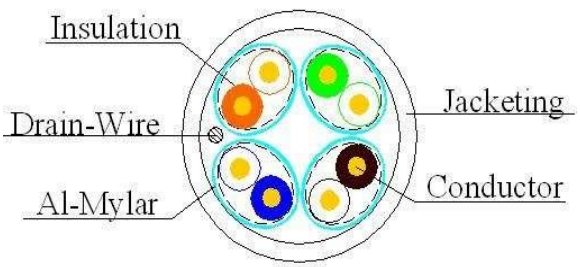
Conductor	Material / Size	Bare Copper / 23AWG
Insulation	Material	PE
	Thickness	Nominal: 0.385 mm
	Diameter	Nominal: 1.32 mm
	Colors	Blue/White Orange/White
		Green/White Brown/White
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 0.816 Kgf/mm²
Screen	Aluminum-Mylar	Individaul foil and without overall braid screened.
Drain Wire	Material	Tinned copper
Jacket	Material	Flame Retardant PVC
	Thickness	Nominal: 0.45 mm
	Diameter	Nominal: 7.0 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%
Marking		PSI DATA CAT.6A U/FTP INSTALLATION CONFORMS TO ISO/ IEC 11801-1 ED.1.0 & ANSI/TIA-568.2-D ▲ 23AWGx4P CMR (UL) c(UL) E164469 [XXXXFT]
		or as customer request.

APPROVAL

c UL us LISTED

UL/cUL Listed

CONFIGURATION



APPLICATIONS

10GBASE-T Ethernet
1000BASE-TX Gigabit Ethernet
10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
100 VG – AnyLAN (IEEE802.12), 155/622 Mbps ATM

10GBASE-TX Ethernet
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. 5%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	1~100MHz	100Ω ± 15%		
	100~500MHz	100Ω ± 22%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB), Max.	NEXT (dB), Min.	PSNEXT (dB), Min.
	1 MHz	1.9*	65.0*	62.0*
	10 MHz	5.5*	57.8*	55.5*
	100 MHz	18.0*	41.8*	39.3*
	200 MHz	26.1*	36.9*	34.3*
	250 MHz	29.5*	35.3*	32.7*
	300 MHz	32.7*	34.0*	31.4*
	400 MHz	38.4*	29.9*	27.1*
	500 MHz	43.8*	26.7*	23.8*

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(300 MHz) ≧ -20log(10^(-(44.3-15log(f/100)/20)+10^(-(54-20log(f/100))/20)

500 ≧ f ≧ 300 MHz 31.4-34.44log(f/300)

ORDER INFORMATION

Part NO. T.B.C.
Description. Category 6A U/FTP 23AWG×4P Horizontal Cable, TYPE CMR

A: Cat.6A PA: U/FTP
H11: Horizontal 04: 4 Pair
B: Jacket, TYPE CMR
N: Packing: N: w/o Reel
XXX1: Length, Meter: 305: 305m
XX2: Jacket Color: WH: White BL: Blue BK: Black GY: Gray
*Others: Available on Requests.