

Product Specification

STANDARD COMPLIANCES:

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

ANSI/TIA/EIA 568-B.2

ISO/IEC 11801 CLASS D+, 2nd Edition

CENELEC EN 50173-1

CENELEC EN 50288-2-1

Flame Retardancy is Verified According to IEC 60332-1.

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	FOAM-SKIN PE	
	Thickness	Normal Avg.: 0.269 mm	
	Diameter	Normal : 1.055 mm	
	Colors	Blue/White-Blue	Orange/White-Orange
		Green/White-Green	Brown/White-Brown
	Elongation	Min. 150 %	
Tensile Strength	Min. 0.51 Kg/mm ²		
Shield	Al-Mylar Type	Al-Mylar type insulation on outside surface	
Drain wire	Material	Tinned Copper	
	Size	Comply with international standard	
Sheath	Material	PVC	LS0H
	Thickness	Average: 0.50 mm	Average: 0.50 mm
	Diameter	6.1 ± 0.3 mm	6.1 ± 0.3 mm
	Color	Assorted upon request	Assorted upon request
	Elongation	Min. 100%	Min. 125%
	Tensile Strength	Min. 1.407 Kg/mm ²	Min. 0.917 Kg/mm ²
	Aging at 100°C for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:75%	Min. elongation retention:75% Min. tensile strength retention:70%
Flame Test	Burning five times, every time is less than 60 second and paper flag can't be burned.		



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APPROVALS:

- UL/cUL Listed
- 3P Certified ANSI/TIA/EIA-568-B.2 Category 5E Testing Performance Requirements.

APPLICATIONS:

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-Tx Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155 Mbps ATM
- 550 MHz Broadband Video
- Voice, T1, ISDN

ELECTRICAL PERFORMANCE:

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°C		
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)	Insertion Loss (dB/100M).Max	Next (dB).Min	PS NEXT (dB).Min
	722kHz	--	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	10.4*	44.0*	41.0*
	31.25 MHz	11.7*	42.0*	39.0*
	62.5 MHz	17.0*	38.0*	35.0*
	100 MHz	22.0*	35.0*	32.0*
	125 MHz	25.0*	34.0*	31.0*

