



PRODUCT SPECIFICATION

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 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:

MODEL CODE	NCC5EEXTSLDSH	
Conductor	Material / Size	Bare Copper / 24AWG
Insulation	Material	Foam-Skin PE
	Thickness	Nominal: 0.269 mm
	Diameter	Nominal: 1.055 mm
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 0.918 Kgf/mm ²
Screen	Material	Aluminum-Mylar tape and tinned copper drain wire
Jacket	Material	PVC
	Thickness	Nominal: 0.5 mm
	Diameter	Nominal: 6.0 mm
	Color	Assorted upon request
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 1.407 Kgf/mm ²
	Aging at 100°C for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:75%
Marking	CAT.5E SFTP INSTALLATION 3P VERIFIED TO ANSI/TIA-568-C.2 & ISO/IEC 11801 ED.2 & EN 50288-2-1 & IEC 60332-1-2 24AWGX4P CM (UL) c(UL) E164469-XX [XXXXXXM]	
	or as customer request.	
Flame Test	Burning five times, every time is less than 60 second and paper flag can't be burned.	

APPROVALS:

- UL/cUL Listed
- 3P Certified ANSI/TIA-568-C.2 Category 5e testing performance requirements.

APPLICATIONS:

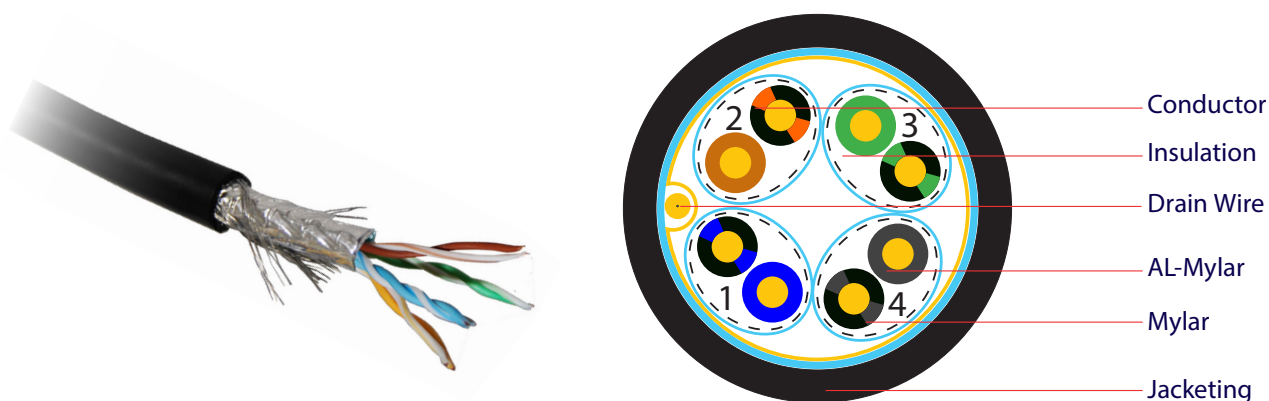
- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - Any LAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

ELECTRICAL PERFORMANCES:

NVP Rating		Around 75%		
Dielectric Strength of Insulation		1200 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	772kHz	102Ω ± 15%		
	1~125MHz	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*
	8 MHz	5.8*	51.8*	48.8*
	10 MHz	6.5*	50.3*	47.3*
	16 MHz	8.2*	47.2*	44.2*
	20 MHz	9.3*	45.8*	42.8*
	25 MHz	10.4*	44.3*	41.3*
	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*
	125 MHz	24.9*	33.8*	30.8*

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

CONFIGURATION:



Although every precaution has been taken to ensure the accuracy of the product specifications at the time of publication, we cannot be responsible for the errors, omissions, or changes due to obsolescence. All data contained herein is subject to change without notice.