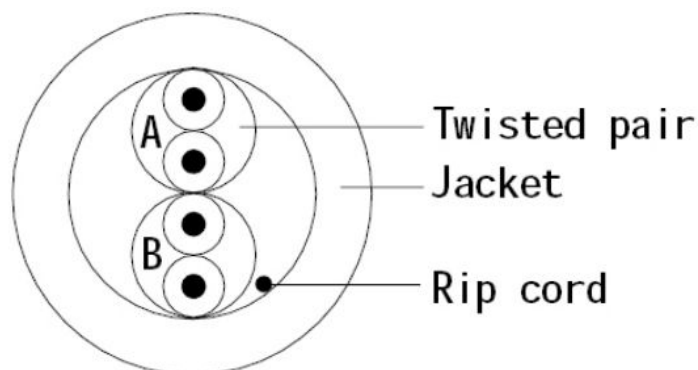


CODE: 10179NH01

DATE:2018-6-29

Cross Section



Marking

NHTD 2 PAIR / 24 AWG CAT5E UTP CABLE
INDOOR XXXM

Description

Rated Temperature (°C) 75

Product Standard Certification

Application

Horizontal Wiring in LAN

Reference Standard

cETLus.EIA/TIA568 & ISO/IEC 11801

Construction

Conductor Solid Bare Copper

AWG 24

Conductor Dia. (mm) **0.5**

Insulation PE

Average Thickness(mm) 0.205

Min. Point Thickness(mm) 0.189

Insulation Dia.(±0.01mm) **0.91**

Twisted Pair Dia.(±0.02mm) 1.82

Jacket PVC

Average Thickness(mm) 0.50

Outer Dia.(±0.2mm) **4.50**

Rip Cord Per request

Color

Insulation colors are:

Blue,White/Blue

Orange,White/Orange

Green,White/Green

Brown,White/Brown

Jacket colors:

Gray

Performance

Electrical Characteristics:

Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
1	20.0	2.0	65.3
4	23.0	4.1	56.3
8	24.5	5.8	51.8
16	26.0	8.2	47.3
20	26.5	9.3	45.8
62.5	25.0	17.0	38.4
100	25.0	22.0	35.3
200	18.0	32.4	30.8
250	17.3	36.9	29.3
350	16.3	44.9	27.2

Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	PSELFEXT Min (dB/100m)	Delay Max (ns/100m)
1	62.3	63.8	60.8	570.0
4	53.3	51.7	48.7	552.0
8	48.8	45.7	42.7	546.7
16	44.3	39.7	36.7	543.0
20	42.8	37.7	34.7	542.0
62.5	35.4	27.8	24.8	538.6
100	32.3	23.8	20.8	537.6
200	27.8	17.7	14.7	536.5
250	26.3	15.8	12.8	536.3
350	24.2	12.9	9.9	535.9

1.0-100.0MHz Impedance (ohms)	100 ± 15
1.0-100.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/10)	<=330
Max. Conductor DC Resistance 20°C (ohms/kr)	93.8
Resistance Unbalance (%)	<=5

Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack

Packaging:

100M Roll Shrink