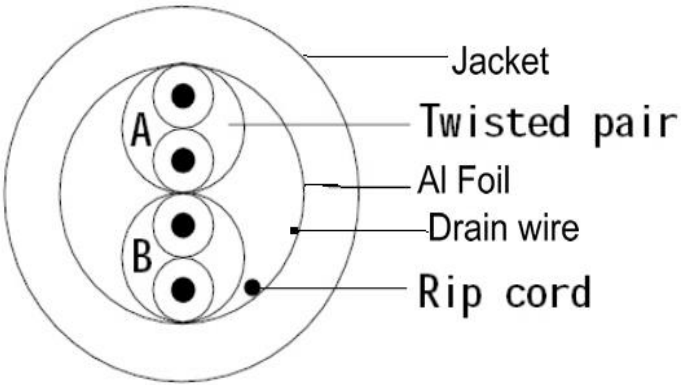
2Pairs CAT5e FTP Cable SPEC INDOOR

CODE：10179NH02

Cross Section



Marking

NHTD 2 PAIR / 24 AWG CAT5E FTP 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
Drain wire (TC) Dia.(±0.003mm)	0,400
Al Foil Shield	Yes
Jacket	**PVC**
Average Thickness(mm)	0,55
Outer Dia.(±0.2mm)	**4,50**
Rip Cord	Per request

Color

Insulation colors are:

Blue,White/Blue

Orange,White/Orange

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

Packaging:

100M Roll Shrink