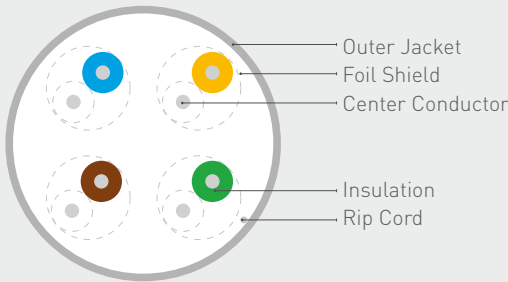
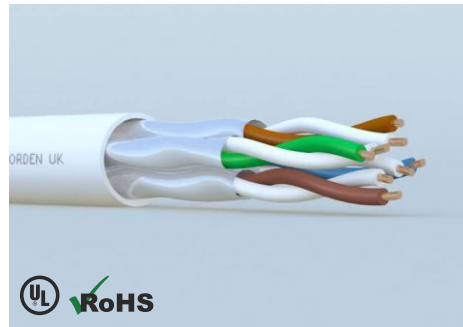


# CATEGORY 6 U/FTP 4 PAIR CABLE

Norden Category 6 U/FTP cables exceed Category 6/Class E specification. It is tested to 250MHz frequency range and designed to support Gigabit 1000Base-T and 1000Base-Tx applications to full 100m.

Norden Category 6 U/FTP cables are UL listed CM, CMX, CMR & CMP. Data integrity is one of the most essential network requirements for many corporations, especially those located in environments that are prone to noise and electromagnetic interference such as industrial facilities and airports, as well as those running critical systems such as military installations and hospitals. U/FTP (Foil Twisted Pair) cabling systems are installed for improved Alien Cross talk performance.



## COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE applications  
 ANSI/TIA-568.2-D Category 6  
 ISO/IEC-11801, Class E  
 IEC 61156-5: Category 6  
 LSZH: IEC 60332-1, IEC 60754, IEC 61034

## PRODUCT CLASSIFICATION

Product Sequence	Premium
Product Type	Twisted Pair Cable

## MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	0.57 mm, 23 AWG
Conductor Construction	Solid
Insulation Material	SFS PE
Insulation Diameter	1.36 mm nom.
Rip Cord	Yes
Colour Code	Per TIA/EIA 568-B
In. Shield Material	Aluminium/Polyester Foil
In. Shield Design	Aluminium Face Outwards
Overall Drain-Wire Material	N/A
Overall Drain-Wire Size	N/A
Total Number of Wires	8
Outer Jacket	LSZH (Low Smoke Zero Halogen) or PVC
Outer Jacket Thickness & Ex. Diameter	0.60±0.05 mm, 7.4±0.4 mm
Outer Jacket Colour	Per Requirement
Marking	Per Requirement

# CATEGORY 6 U/FTP 4 PAIR CABLE

## ELECTRICAL & MECHANICAL CHARACTERISTICS

Frequency Range	1 - 250 MHz
Impedance	100 Ω
Coupling Attenuation	85 dB min @ 30-100 MHz 85-20 Log (f/100) @100-250 MHz
DC Resistance	73 Ω/km nom.
Max. Resistance Unbalance	2 %
Capacitance Unbalance	3.3 pF max.
Velocity of Propagation	80 % nom.
Propagation Delay Skew	35 ns/100m max.
Dielectric Strength	700 V/minute
Dielectric Strength to Shield	700 V/minute
Min. Insulation Resistance	5 GΩ•km
Max. Tensile Strength - Short Term	150 N
Min. Bend Radius	70 mm
Max. Operating Temperature	-20 °C +70 °C

## TRANSMISSION PERFORMANCE

Cat. 6 Screened Pair Horizontal Cables\*

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEXT dB	RL dB	ELFEXT dB	PSELFEXT dB
1	2.0	80.0	78.0	27.0	81.8	77.8
4	3.8	75.0	72.8	30.0	76.8	73.8
10	6.0	71.0	69.0	30.0	70.0	67.8
20	8.5	62.0	60.2	30.0	58.8	55.8
31.25	10.4	60.9	58.9	28.6	56.8	53.3
100	19.8	54.0	52.0	26.0	47.8	44.8
150	24.7	50.7	48.7	25.1	43.3	40.3
200	29.0	48.1	46.1	23.8	38.8	35.8
250	32.8	46.3	44.3	22.0	36.8	33.8

\*Supplied cables meets Cat. 6 min. transmission requirements as per IEC 61156-5 Ed. 2

## ORDERING INFORMATION

Part Number	Description	Standard Length
113-11001304X	Category 6 U/FTP 4 Pair Cable PVC	305 mtr
113-11002304X	Category 6 U/FTP 4 Pair Cable LSZH	305 mtr

X: BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)

## PACKING INFORMATION

Part Number	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
113-11001304X	Plywood Reel/Ctn	15.8	17.3	420 x 420 x 260
113-11002304X	Plywood Reel/Ctn	16.1	17.5	420 x 420 x 260