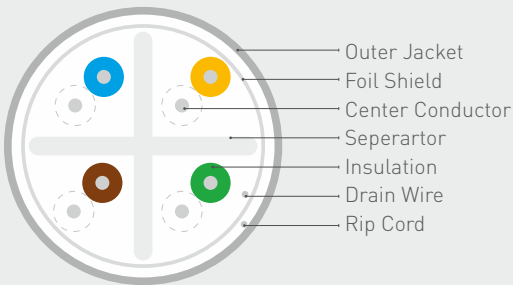
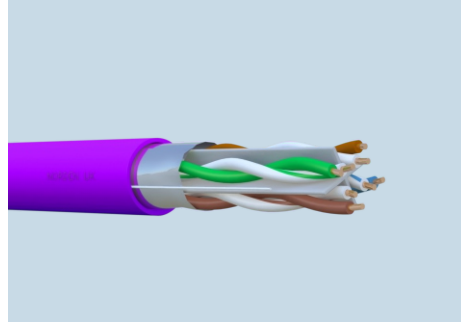


CATEGORY 6 F/UTP 4 PAIR 24 AWG CABLE

Norden Category 6 F/UTP cables exceed Category 6 / Class E specification. It is tested to 250 MHz frequency range and designed to support Gigabit 1000Base-T and 1000Base-Tx applications up to 100m. Extremely high pair-balance providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to F/UTP (Foiled Twisted Pair) cabling systems. F/UTP (Twisted Pair – overall Foil shield) cabling systems are installed for improved Alien Cross talk performance.



COMPLIANCE

ANSI/TIA-568.2-D Category 6
 ISO/IEC-11801, Class E
 IEC 61156-5: 2002 Category 6
CPR Compliance to Eca
 EN 60332-1-2

PRODUCT CLASSIFICATION

Product Sequence	Euro Class
Product Type	Twisted Pair Cable

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	24 AWG
Conductor Construction	Solid
Insulation Material	High Density PE
Insulation Diameter	1.05 mm
Conductor Unit Identification	Solid/Stripe
Drain Wire	Tinned Copper 0.41 mm
Overall Shield	Mylar +Aluminium/Mylar
Outer Jacket	LSZH
Outer jacket Thickness & Ex. Diameter	0.60±0.05 mm, 6.9±0.4 mm
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Rip Cord	Yes



CATEGORY 6 F/UTP 4 PAIR 24 AWG EXTERNAL CABLE LSZH

ELECTRICAL & MECHANICAL CHARACTERISTICS

Pulling Force:	110 N/mm ² max
Delay Skew: 1-250 MHz	ns/100m ≤ or equal to 45
Tensile Strength	>10 Mpa
Elongation	>125 %
Characteristics	100±15Ω @ 1-250 MHz
DC Resistance	9.38(Ω/100m) max.
DC Conductor Resistance Unbalance:	5.0 % max
Capacitance	Max 5.6 nF/100m.
Cap. Unbalance (Wire to Ground)	Max 330 pF/100m
Dielectric Strength	1.0 KV/minute
Velocity of Propagation	69 %
Insulation Resistance:	5000 MΩ Km/min.
Transfer Impedance	N/A
Cold Bend (-20D Celcius x 4h)	8 x OD mm., No visible Cracks
Operating Temperature:	-10 to +65°C

ELECTRICAL PERFORMANCE CHARACTERISTICS

Cat. 6 Un-screened Pair Horizontal Cables*

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEXT dB	DELAY ns	RL dB	ELFEXT dB	PSELFEXT dB
1	2.03	74.3	72.3	570	20	67.8	64.8
4	3.78	65.3	63.8	552	23	55.8	52.8
8	5.32	60.8	58.8	546.73	24.5	49.7	46.7
10	5.95	59.3	57.3	545.38	25	47.8	44.8
16	7.55	56.2	54.2	543	25	43.7	40.7
20	8.47	54.8	52.8	542.05	25	41.8	38.8
25	9.51	53.3	41.3	541.2	24.3	39.8	36.8
31.25	10.67	51.9	49.9	540.44	23.6	37.9	34.9
62.5	15.38	44.7	45.4	538.55	21.5	31.9	28.9
100	19.8	44.3	42.3	573.6	20.1	27.8	24.8
200	28.98	39.8	37.8	536.54	18	21.8	18.8
250	32.85	38.3	36.3	536.27	17.3	19.8	16.8

*Supplied cables meet the minimum Cat. 6 transmission requirements as per IEC 61156-5 Ed. 2

ORDERING INFORMATION

Part Number	Description	Standard Length
120-1000E204X	Category 6 F/UTP 4 Pair 24 AWG Cable LSOH (Eca)	305 mtr

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

PACKING INFORMATION

Part Number	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
120-1000E204X	Pully Box	14.8	16.2	350 x 350 x 220