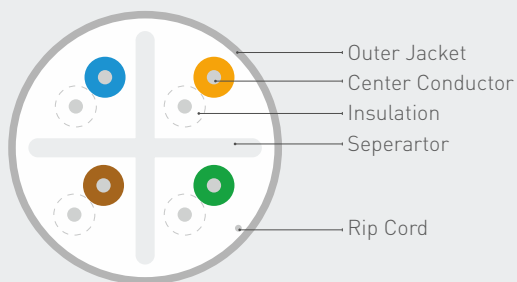
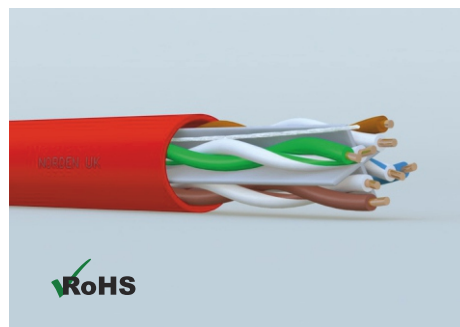


CATEGORY 6 U/UTP 24 AWG 4 PAIR CABLE E-SERIES, PVC



Norden Category 6 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 upto 100m. Extremely high pair-balance providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to UTP (Unshielded Twisted Pair) cabling systems.



COMPLIANCE

IEEE 802.3, IEEE 802.5, ANSI/TIA-568.2-D,
ANSI X3T9.5, IEC 61156-5
EN 50288-6-1, EN 50173
ISO/IEC 11801, EN 50575

CPR Compliance to Fca

PRODUCT CLASSIFICATION

Product Sequence	E Series
Product Type	Twisted Pair Cable

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	24 AWG
Conductor Construction	Solid
Insulation Material	PE
Nom. Thickness	0.20mm
Insulation Diameter	0.91±0.08mm
Separator	PE Cross
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Rip Cord	Yes
Outer Jacket	PVC
Outer Jacket Thickness & Ex. Diameter	0.50mm, 5.8±0.30mm

CATEGORY 6 U/UTP 24 AWG 4 PAIR CABLE E-SERIES, PVC



ELECTRICAL & MECHANICAL CHARACTERISTICS

Impedance	100 ±15 Ω
DC Resistance	95Ω/km
Max. Resistance Unbalance	≤5%
Dielectric Strength	DC-1KV/1 Min
Max DC Loop Resistance	19.2Ω/100m
Pair to Ground Capacitance Unbalance	≤330 Pf/100m
Elongation	≥100% (Before Aging), ≥50% (After Aging)
Capacitance Unbalance	≤5.6 nf/100m
Propagation Delay Skew	≤45ns/100m
Velocity of propagation	69%
Min. Insulation Resistance	5GΩ-KM
Tensile Strength	≥13.5MPa (Before Aging), ≥75MPa (After Aging)
Min. Bend Radius	8 x OD
Operating Temperature Range	-20 °C to +75 °C

TRANSMISSION PERFORMANCE

Freq. (Mhz)	Insertion Loss(dB)	NEXT dB	RL(dB)	ACRN(dB)	ACRF(dB)	PS NEXT(dB)	PSACRN(dB)	PSACRF(dB)
1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2
4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1
8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1
10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2
16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1
20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2
25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2
31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3
62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3
100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2
200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2
250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2

ORDERING INFORMATION

Part Number	Description	Standard Length
120-4000B104X	Category 6 U/UTP 24 AWG 4 Pair Cable E-Series, PVC (Fca)	305 mtr

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