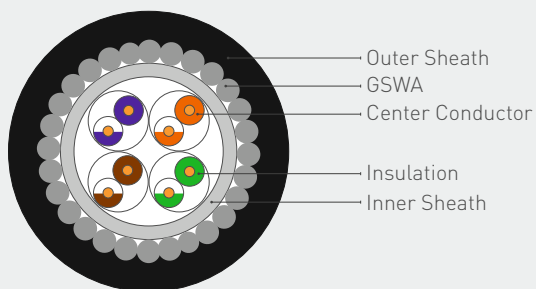
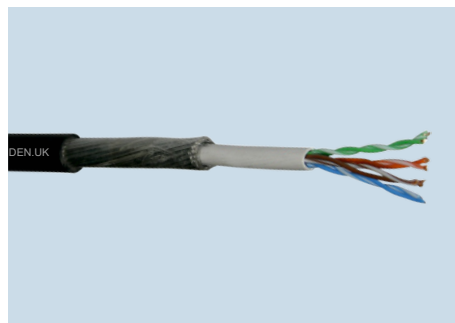


CATEGORY 5E U/UTP 4 PAIR STEEL WIRE ARMoured EXTERNAL CABLE



Norden Category 5e U/UTP cables exceed Category 5e / Class D specification. It is tested to 100 MHz frequency range and designed to support Gigabit 1000Base-T applications upto 100m. Norden Category 5e U/UTP cables standard packing are in 305m easy pull out boxes. The main advantage of this cable is that it has Steel Wire Armour (SWA) which makes it suitable for all external applications even in the harshest of environments.

By design, Norden cables are manufactured to the highest quality standards, design requirements and materials to ensure that every box provides significant margin over ANSI/TIA-568.2-D specifications for NEXT, Power Sum NEXT and Insertion Loss across the entire channel.



COMPLIANCE

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

PRODUCT CLASSIFICATION

Product Sequence	Premium
Product Type	Twisted Pair Cable

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	24 AWG
Conductor Diameter	0.50 mm
Conductor Construction	Solid
Insulation Material	Polyolefin
Insulation O.D.	0.9 mm
Conductor Unit Identification	Solid/Stripe
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Inner Sheath	LSZH
Inner Sheath Diameter	4.75mm
Armouring	GSWA
Armouring Diameter	0.9mm
Outer Jacket	LSZH (Low Smoke Zero Halogen)
Outer Jacket Diameter	9.0mm
Outer Jacket Colour	Per Requirement
Marking	Per Requirement



CATEGORY 5E U/UTP 4 PAIR STEEL WIRE ARMOURED EXTERNAL CABLE



ELECTRICAL & MECHANICAL CHARACTERISTICS

DC Conductor Loop Resistance	19Ω/100m
Max DC Resistance Unbalanced	2%
Nominal Capacitance	50pF/m
Max Capacitance Unbalance	1600 pF/m
Characteristic Impedance (1 – 20MHz)	100 ± 12Ω
Characteristic Impedance (20-1000MHz)	100 ± 15Ω
Nominal Velocity of Propagation	66%
Insulation Resistance (500V)	2000MΩ
Installation Temperature Range	-0 °C to +50 °C
Operating Temperature Range	-20 °C to +60 °C
Minimum Installation Bend Radius	12x diameter (10.8cm)
Minimum Installed Bend Radius	8x diameter (7.2cm)
Fire Propagation	IEC 60332-1
Max Reel Size	1000m
Approximate Weight	175 kg/km

ORDERING INFORMATION

Part Number	Description	Standard Length
112-20622104X	Category 5e U/UTP 4 Pair Steel Wire Armoured External Cable LSZH	305 mtr

X: BK(Black), GY(Gray)

PACKING INFORMATION

Part Number	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
112-20622104X	Pulley Box	53	58	460 x 460 x 260

