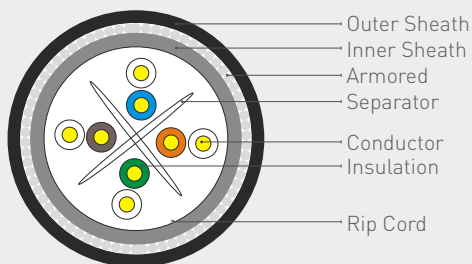
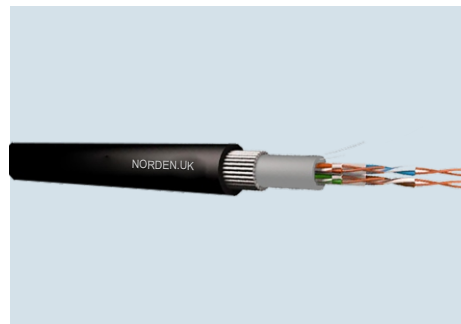


CAT 6A U/UTP 23 AWG DOUBLE JACKET GALVANIZED IRON WIRE ARMoured EXTERNAL CABLE LSZH/PE NORDATA

Norden Category 6A U/UTP armoured cables exceed Category 6A/Class EA specification. It is tested to 500MHz frequency range and designed to support 1000Base-T and 1000Base-Tx applications to full 100m. Extremely high pair-balance providing excellent EMC (Electromagnetic Compatibility), minimizing radiation, maximizing noise immunity, and providing high alien crosstalk performance to U/UTP (Unshielded Twisted Pair) cabling systems. Cat 6A UTP armoured cable consists of Polyolefin insulated 23 AWG Solid Bare Electrolytic Grade Copper conductors, twisted 4 pair, Galvanized Iron Wire Armoured, LSZH inner sheath and PE outer sheath.



COMPLIANCE

IEEE 802.3an :2006 (10GBASE-T)
ANSI/TIA-568.2-D Category 6A ISO/
IEC-11801, 2nd Edition Class E IEC
61156-5:2002 Category 6A
LSZH: IEC 60332-1, IEC 60754, IEC 61034

MATERIAL CONSTRUCTION & DESIGN

| | |
|-------------------------------|--------------------------------------|
| Conductor | Solid Bare Electrolytic Grade Copper |
| Conductor Size | 23 AWG |
| Conductor Construction | Solid |
| Insulation Material | Polyolefin |
| Conductor Unit Identification | Solid/Stripe |
| Colour Code | Per TIA/EIA 568-B |
| Total Number of Wires | 8 |
| Separator | HDPE |
| Inner Sheath Material | LSZH |
| Rip Cord | Yes |
| Armour | Galvanized Iron Wire Armouring |
| Armour Thickness | 0.6mm |
| Outer Sheath Material | PE |
| Outer Jacket Diameter | 9.50 ± 0.50 mm |
| Marking | At Every Meter |



CAT 6A U/UTP 23 AWG DOUBLE JACKET GALVANIZED IRON WIRE ARMoured EXTERNAL CABLE LSZH/PE NORDATA

ELECTRICAL & MECHANICAL CHARACTERISTICS

| | |
|-----------------------------------|-------------------|
| Impedance | 100 ±15 Ohms |
| DC Resistance @ 20°C | 93.8 Ohm/km |
| Max. Resistance Unbalance | 5 % Max |
| Mutual Capacitance | 5.6 nF/100m max. |
| Capacitance Unbalance Pair/Ground | 330 pF/m max. |
| Worst Case Cable Skew | 45 ns/100m max. |
| Normal Velocity of Propagation | 69 % |
| Min. Bend Radius | 8 x OD |
| Operating Temperature Range | - 20 °C to +75 °C |

TRANSMISSION PERFORMANCE

| Freq. MHz | Attenuation dB | RL dB | NEXT dB (Min.) | PS NEXT dB | ACR-F dB | PS ACR-F dB (Min) |
|-----------|----------------|-------|----------------|------------|----------|-------------------|
| 1 | 2.3 | 19.0 | 65 | 62.0 | 63.3 | 60.3 |
| 4 | 4.2 | 19.0 | 63 | 60.5 | 51.2 | 48.2 |
| 8 | 5.8 | 19.0 | 58.2 | 55.6 | 45.2 | 42.2 |
| 10 | 6.5 | 19.0 | 56.6 | 54.0 | 43.3 | 40.3 |
| 16 | 8.2 | 18.0 | 53.2 | 50.6 | 39.2 | 36.2 |
| 20 | 9.2 | 17.5 | 51.6 | 49.0 | 37.2 | 34.2 |
| 25 | 10.2 | 17.0 | 50 | 47.3 | 35.3 | 32.3 |
| 100 | 20.9 | 12.0 | 39.9 | 37.1 | 23.3 | 20.3 |
| 200 | 30.1 | 9.0 | 34.8 | 31.9 | 17.2 | 14.2 |
| 250 | 33.9 | 8.0 | 33.1 | 30.2 | 15.3 | 12.3 |
| 300 | 37.4 | 7.2 | 31.7 | 28.8 | 13.7 | 10.7 |
| 400 | 43.7 | 6.0 | 28.7 | 25.8 | 11.2 | 8.2 |
| 500 | 49.3 | 6.0 | 26.1 | 23.2 | 9.3 | 6.3 |

ORDERING INFORMATION

| Part Number | Description | Standard Length |
|---------------|----------------------------------------------------------------------------------------|-----------------|
| 114-20D23104X | Cat 6A U/UTP 23 AWG Double Jacket Galvanized Iron Wire Armoured External Cable LSZH/PE | 305 mtr |