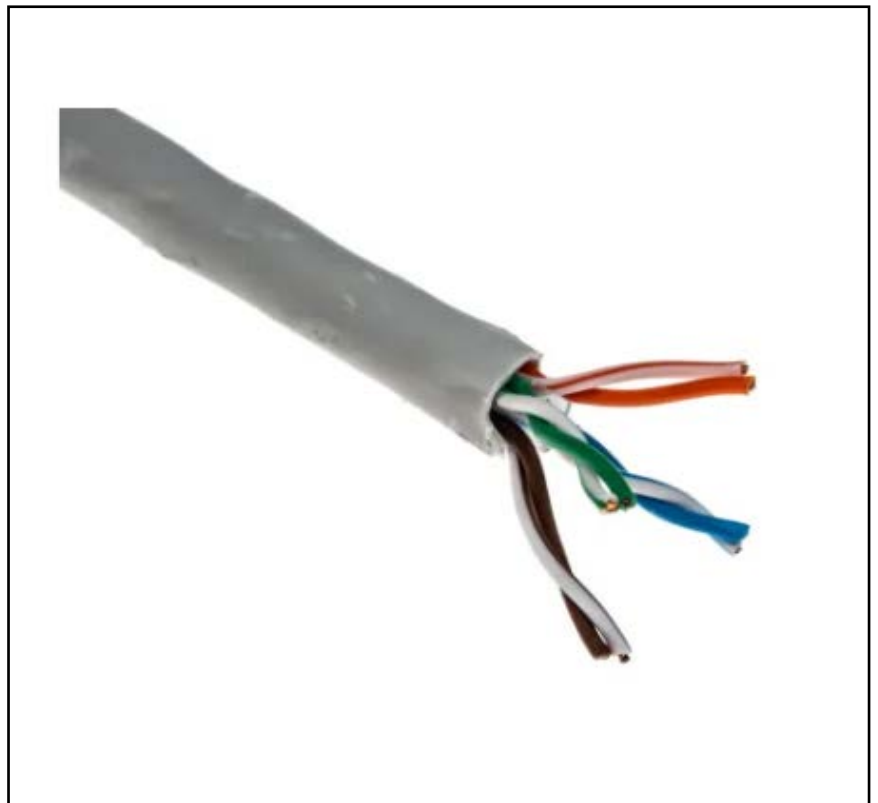


FEATURES

- No braided shield screen
- No foil wrap shielding
- Outer diameter of 6 mm
- 4 Pair multi-construction
- LSZH (low smoke zero halogen) and PVC Jacket
- HDPE Insulation
- Bare copper conductor

RS PRO Grey Cat6 Cable UTP LSZH, PVC Unterminated/Unterminated Low Smoke Zero Halogen (LSZH), 500m

RS Stock No.: 842-7327



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

The RS Pro 24 AWG, Cat6 UTP (unshielded twisted pair) cable provides some resistance to electromagnetic interference (EMI) and radio frequency interference (RFI). This is due to their construction with twisted cables. However, when close to other machines, power cables, and electronics, they can be affected by EMI and RFI.

General Specifications

| | |
|--------------------------------|--|
| Terminated/Unterminated | Unterminated |
| Connector Type | Unterminated/ Unterminated |
| Shield Type | UTP |
| Outer Sheath Material | LSZH,PVC |
| Sheath Colour | Grey |
| Fire Behaviour | Low Smoke Zero Halogen (LSZH) |
| Application | The Cat6 cable LSZH and PVC cable is suitable for using in populated or enclosed areas with poor ventilation. Typically used 1000 Mbits/s networks, VOIP, IP, Camera and IP TV |

Electrical Specifications

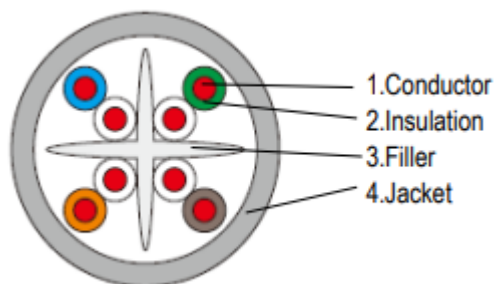
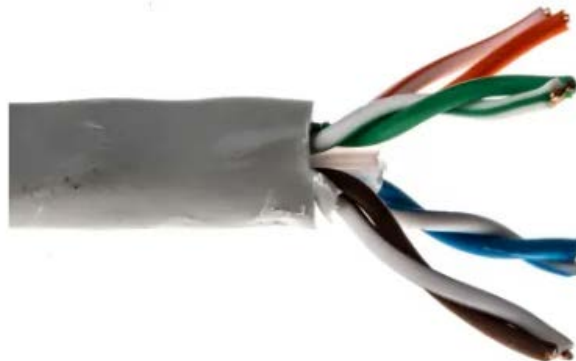
| | |
|-----------------------------|-------------------------|
| Attenuation | 33dB |
| Frequency | 250MHz |
| Conductor Resistance | Max. 97.6ohm/km at 20°C |

Mechanical Specifications

| | |
|---------------------------|--------------|
| Length | 500m |
| Outer Diameter | 6mm |
| Insulator Diameter | 0.92±0.08×2C |

Approvals

| | |
|----------------------------------|---|
| Compliance/Certifications | 2011/65/EU and 2015/863 |
| Standards Met | ISO/IEC 11801: 2011, IEC61156-5:2009, EN50173, EN50288-6-1:2013, RoHS, IEC60332-1, IEC61034, IEC60754 |



| Electrical Characteristics | | | | |
|----------------------------|------------------|---------------|---------|------------------|
| Performance | | | | |
| Frequency (MHz) | Attenuation (dB) | NEXT (dB) | RL (dB) | Return Loss (dB) |
| 1.00 | 2.10 | 75.30 | 72.30 | 20.00 |
| 4.00 | 3.80 | 66.30 | 63.30 | 23.00 |
| 10.00 | 6.00 | 60.30 | 57.30 | 25.00 |
| 16.00 | 7.60 | 57.20 | 54.20 | 25.00 |
| 31.25 | 10.70 | 52.90 | 49.90 | 23.60 |
| 62.50 | 15.50 | 48.40 | 45.40 | 21.50 |
| 100.00 | 19.90 | 45.30 | 42.30 | 20.10 |
| 250.00 | 33.00 | 39.30 | 36.30 | 17.30 |
| Frequency (MHz) | ELFEXT (dB) | PSELFEXT (dB) | | |
| 1.00 | 68.00 | 65.00 | | |
| 4.00 | 56.00 | 53.00 | | |
| 10.00 | 48.00 | 45.00 | | |
| 16.00 | 43.90 | 40.90 | | |
| 31.25 | 38.10 | 35.10 | | |
| 62.50 | 32.10 | 29.10 | | |
| 100.00 | 28.00 | 25.00 | | |
| 250.00 | 20.00 | 17.00 | | |