

CAT 6 4-PAIR UTP SOLID COPPER CABLE

Description

RFI Cat 6 UTP Cable consists of 4 pairs solid copper conductors insulated with High Density Polyethylene (HDPE). Each pair is precisely twisted to minimize crosstalk between the pairs. A Spine or Separator separates each pair to further minimize pair to pair crosstalk. The cable is covered with a Polyvinyl Chloride (PVC) Outer Jacket. Options are available for LSZH.

Application

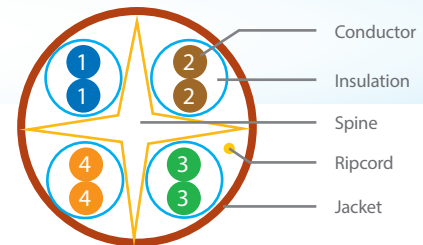
- 100 Base-T4
- 100 Base-TX
- 1000Base-T (Gigabit Ethernet)

Standard

- ANSI/TIA-568.2-D
- ISO 11801 Class E
- IEEE 802.3bt
- RoHS
- IEC 60754-2(Acid Gas)
- IEC 60332-1(Flame)
- IEC 61034-2(Smoke)

Features

- 24 AWG Solid Copper Conductors
- PVC, LSZH
- CM, RoHS compliance
- ETL verified
- Tested to 250MHz
- Ripcord



Physical Characteristics

| Conductor Ø (mm) | Insulation (mm) | | Outer Jacket (mm) | |
|------------------|-----------------|--------------|-------------------|-----------|
| | Nom. Thickness | Overall Ø | Nom. Thickness | Overall Ø |
| 0.520 ± 0.01 | 0.21 ± 0.05 | 0.952 ± 0.05 | 0.52 ± 0.05 | 5.6 ± 0.5 |

| | |
|-------------------|------------|
| Pulling Tension | 90N |
| Temperature Range | -20 ~ 75°C |

Electrical Characteristics

| Freq (MHz) | RL (dB) (dB/100m) | Attn (dB/100m) | NEXT (dB/100m) | ACR (dB) | PSNEXT (dB) | PSACR (dB) | ELFEXT (dB) | PSELFEX (dB) |
|------------|-------------------|----------------|----------------|----------|-------------|------------|-------------|--------------|
| 1.0 | 20.0 | 2.0 | 74.3 | 72.3 | 72.3 | 70.3 | 67.8 | 64.8 |
| 4.0 | 23.0 | 3.8 | 65.3 | 61.5 | 63.3 | 59.5 | 55.8 | 52.8 |
| 10.0 | 25.0 | 6.0 | 59.3 | 53.3 | 57.3 | 51.3 | 47.8 | 44.8 |
| 16.0 | 25.0 | 7.6 | 56.2 | 48.6 | 54.2 | 49.7 | 43.7 | 40.7 |
| 20.0 | 25.0 | 8.5 | 54.8 | 46.3 | 52.8 | 44.0 | 41.8 | 38.8 |
| 31.25 | 23.6 | 10.7 | 52.9 | 41.2 | 49.9 | 39.2 | 37.9 | 34.9 |
| 62.25 | 21.5 | 15.4 | 47.4 | 32.0 | 45.4 | 30.0 | 31.9 | 28.9 |
| 100.0 | 20.0 | 19.8 | 44.3 | 24.5 | 42.3 | 22.5 | 27.8 | 24.8 |
| 200.0 | 18.0 | 29.0 | 39.8 | 10.8 | 37.8 | 8.8 | 21.8 | 18.8 |
| 250.0 | 17.3 | 32.8 | 38.3 | 5.5 | 36.3 | 3.5 | 19.8 | 16.8 |

Ordering information

| Part No. | Description |
|-----------------|-----------------------------------------------------------------------------|
| RCD-60U3154-1yx | Cat 6 4-pair U/UTP 24 Awg Solid Cable, Star Filler Separator, CM, PVC, 305M |
| RCD-60U1154-1yx | Cat 6 4-pair U/UTP 24 Awg Solid Cable, Star Filler Separator, LSZH, 305M |

*y = 0 - blue, 1 - orange, 2 - aqua, 3 - sky blue, 4 - grey, 5 - white, 6 - red, 7 - black, 8 - yellow, 9 - purple

*x = A, D, K, N

*Other length is available upon request.