

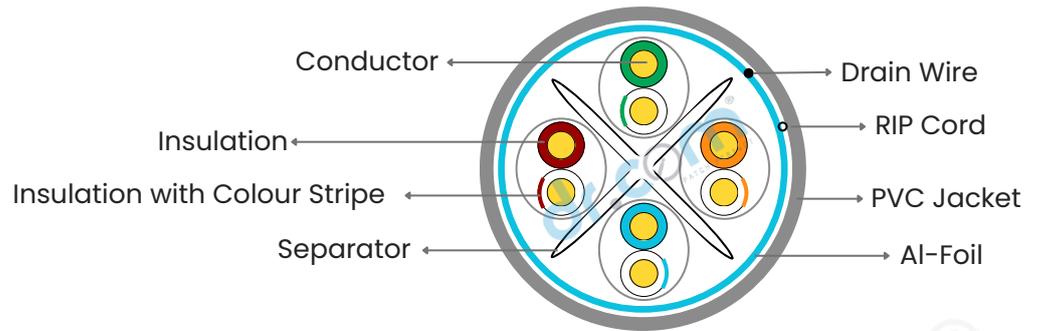
CAT6 FTP 24 AWG COPPER CABLES

Key Features

- **Low Crosstalk & Noise:** CAT6 cables are designed to reduce crosstalk and system noise, ensuring stable and reliable signal transmission.
- **Superior Insulation:** High-quality insulation around 23 AWG copper conductors enhances overall cable performance.
- **High-Speed Performance:** Supports data transmission speeds up to 1000 Mbps (1 Gbps) with a bandwidth of 250 MHz.
- **Wide Ethernet Support:** Suitable for 10BASE-T, 100BASE-TX Fast Ethernet, and 1000BASE-T / 1000BASE-TX (Gigabit Ethernet) applications.
- **Shielded Noise Protection:** Shielding minimizes electrical noise impact on signals and reduces electromagnetic radiation that could interfere with nearby devices.



CAT6 FTP 24 AWG PVC CABLE



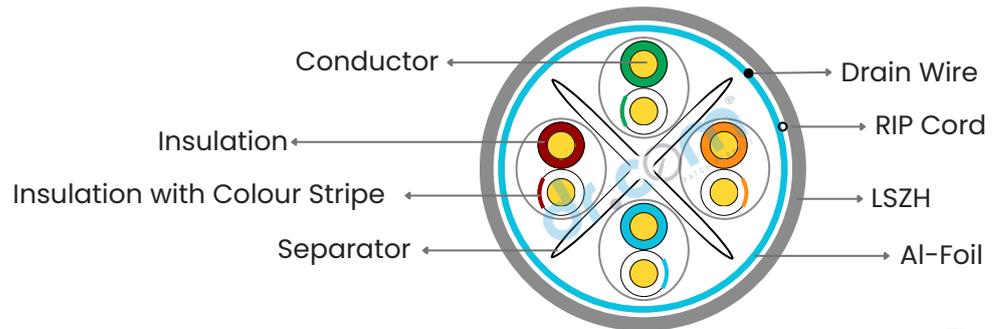
Specification

| Model Part No | DR-CAT6_F/UTP-CU24_PV | |
|-----------------------------------|--------------------------------------|--------------------------------------|
| Category | CAT 6 | |
| Reference Standard | ANSI/TIA-568.2-D, ISO/IEC11801 | |
| Conductor | Material | Solid-Bare Copper (99.95%) |
| | Diameter | 24AWG |
| Insulation | Material | HDPE |
| | Diameter | 0.92 ±0.05mm |
| Sheath | Thickness | 0.50 ± 0.10mm |
| | Diameter | 6.5 ± 0.50 mm |
| | Material | PVC |
| | Color | Grey (* Custom Colors Available) |
| Rip-cord | Yes | |
| Separator | Yes | |
| Shield | Aluminum Polyester Foil + Drain Wire | |
| Electrical Characteristics (20°C) | 1.0-500.0 MHz impedance | 100 ± 15 Ω |
| | 1.0-500.0 MHz delay skew | ≤ 45 ns/100 m |
| | DC resistance | ≤ 9.38 Ω/100 m |
| | DC conductor resistance unbalance | ≤ 4.0% |
| | Ambient temperature | -20°C to 75°C (-4°F to 167°F) |
| | Operating voltage | 57 V |
| | Cable length | 305 ± 0.5 m |
| Physical Properties | Package dimension | 381 mm (W) × 381 mm (H) × 241 mm (D) |
| | Weight | 13 kg Approx |
| | Packing | Spool |

* Custom Lengths Available.

CAT6 FTP 24 AWG

LSZH CABLE

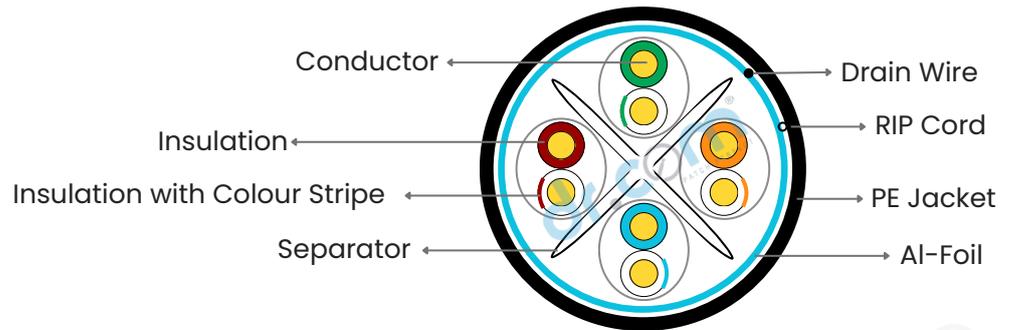


Specification

| Model Part No | DR-CAT6_F/UTP-CU24_LS | |
|-----------------------------------|--------------------------------------|--------------------------------------|
| Category | CAT 6 | |
| Reference Standard | ANSI/TIA-568.2-D, ISO/IEC11801 | |
| Conductor | Material | Solid-Bare Copper (99.95%) |
| | Diameter | 24AWG |
| Insulation | Material | HDPE |
| | Diameter | 0.92 ± 0.05mm |
| Sheath | Thickness | 0.50 ± 0.10mm |
| | Diameter | 6.5 ± 0.50 mm |
| | Material | LSZH |
| | Color | Custom Colors Available |
| Rip-cord | Yes | |
| Separator | Yes | |
| Shield | Aluminum Polyester Foil + Drain Wire | |
| Electrical Characteristics (20°C) | 1.0-500.0 MHz impedance | 100 ± 15 Ω |
| | 1.0-500.0 MHz delay skew | ≤ 45 ns/100 m |
| | DC resistance | ≤ 9.38 Ω/100 m |
| | DC conductor resistance unbalance | ≤ 4.0% |
| | Ambient temperature | -20°C to 75°C (-4°F to 167°F) |
| | Operating voltage | 57 V |
| Physical Properties | Cable length | 305 ± 0.5 m |
| | Package dimension | 381 mm (W) × 381 mm (H) × 241 mm (D) |
| | Weight | 12 kg Approx |
| | Packing | Spool |
| * Custom Lengths Available. | | |

CAT6 FTP 24 AWG

PE OUTDOOR CABLE



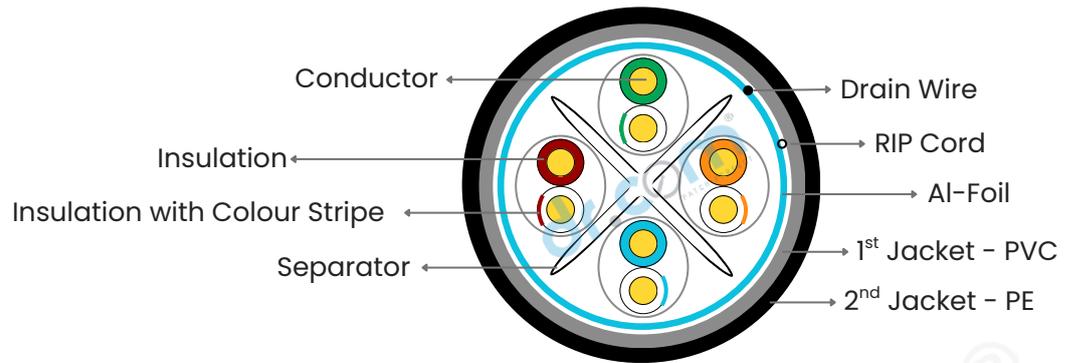
Specification

| Model Part No | DR-CAT6_F/UTP-CU24_PE | |
|-----------------------------------|--------------------------------------|--------------------------------------|
| Category | CAT 6 | |
| Reference Standard | ANSI/TIA-568.2-D, ISO/IEC11801 | |
| Conductor | Material | Solid-Bare Copper (99.95%) |
| | Diameter | 24AWG |
| Insulation | Material | HDPE |
| | Diameter | 0.92 ± 0.05mm |
| Sheath | Thickness | 0.50 ± 0.10mm |
| | Diameter | 6.5 ± 0.50 mm |
| | Material | PE |
| | Color | Black (* Custom Colors Available) |
| Rip-cord | Yes | |
| Separator | Yes | |
| Shield | Aluminum Polyester Foil + Drain Wire | |
| Electrical Characteristics (20°C) | 1.0-500.0 MHz impedance | 100 ± 15 Ω |
| | 1.0-500.0 MHz delay skew | ≤ 45 ns/100 m |
| | DC resistance | ≤ 9.38 Ω/100 m |
| | DC conductor resistance unbalance | ≤ 4.0% |
| | Ambient temperature | -20°C to 75°C (-4°F to 167°F) |
| | Operating voltage | 57 V |
| | Cable length | 305 ± 0.5 m |
| Physical Properties | Package dimension | 381 mm (W) × 381 mm (H) × 241 mm (D) |
| | Weight | 11.5 kg Approx |
| | Packing | Spool |

* Custom Lengths Available.

CAT6 FTP 24 AWG

DOUBLE JACKETED CABLE



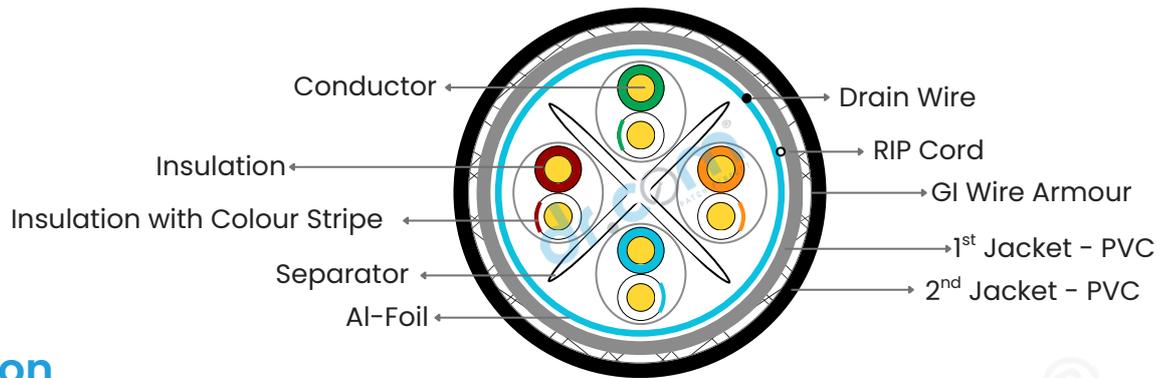
Specification

| Model Part No | DR-CAT6_F/UTP-DC-CU24_PE | |
|-----------------------------------|--------------------------------------|---|
| Category | CAT 6 | |
| Reference Standard | ISO/IEC11801, ANSI/TIA-568.2-D | |
| Conductor | Material | Solid-Bare Copper (99.95%) |
| | Diameter | 24AWG |
| Insulation | Material | HDPE |
| | Diameter | 0.92 ± 0.05mm |
| Sheath | Thickness | 0.50 ± 0.10mm |
| | Diameter | 7.5 ± 0.50 mm |
| | Material | 1 st Jacket - PVC 2 nd Jacket - PE |
| | Color | Black (* Custom Colors Available) |
| Rip-cord | Yes | |
| Separator | Yes | |
| Shield | Aluminum Polyester Foil + Drain Wire | |
| Electrical Characteristics (20°C) | 1.0-500.0 MHz impedance | 100 ± 15 Ω |
| | 1.0-500.0 MHz delay skew | ≤ 45 ns/100 m |
| | DC resistance | ≤ 9.38 Ω/100 m |
| | DC conductor resistance unbalance | ≤ 4.0% |
| | Ambient temperature | -20°C to 75°C (-4°F to 167°F) |
| | Operating voltage | 57 V |
| Physical Properties | Cable length | 305 ± 0.5 m |
| | Package dimension | 381 mm (W) × 381 mm (H) × 241 mm (D) |
| | Weight | 16.5 kg Approx |
| | Packing | Spool |

* Custom Lengths Available.

CAT6 FTP 24 AWG

ARMOURED CABLE



Specification

| Model Part No | DR-CAT6_F/UTPARM-CU24_PV | |
|--------------------------------------|--------------------------------------|--|
| Category | CAT 6 | |
| Reference Standard | ANSI/TIA 568-C.2 & ISO /IEC 11801 | |
| Conductor | Material | Solid-Bare Copper (99.95%) |
| | Diameter | 24AWG |
| Insulation | Material | HDPE |
| | Diameter | 0.92 ± 0.05mm |
| Sheath | Thickness | 0.50 ± 0.10mm |
| | Diameter | 9.5 ± 0.50 mm |
| | Material | 1 st Jacket - PVC 2 nd Jacket - PVC |
| | Color | Black (* Custom Colors Available) |
| Rip-cord | Yes | |
| Separator | Yes | |
| Shield | Aluminum Polyester Foil + Drain Wire | |
| Electrical Characteristics (20°C) | 1.0-500.0 MHz impedance | 100 ± 15 Ω |
| | 1.0-500.0 MHz delay skew | ≤ 45 ns/100 m |
| | DC resistance | ≤ 9.38 Ω/100 m |
| | DC conductor resistance unbalance | Max. 5% |
| | Ambient temperature | -20°C to 75°C (-4°F to 167°F) |
| | Operating voltage | 57 V |
| Physical Properties | Cable length | 305 ± 0.5 m |
| | Package dimension | 381 mm (W) × 381 mm (H) × 241 mm (D) |
| | Weight | 48 kg Approx |
| | Packing | Spool |

* Custom Lengths Available.

Technical Performance (Fluke 90-meter permanent link)

| FREQ (MHz) | ATT (20 °C) ≤ (dB) | RL ≥(dB) | NEXT ≥(dB) | PS NEXT ≥(dB) | EL FEXT ≥(dB) | PS EL FEXT ≥(dB) | Phase delay ≤(ns) |
|------------|--------------------|----------|------------|---------------|---------------|------------------|-------------------|
| 1 | 2.0 | 20.0 | 74.3 | 72.3 | 67.8 | 64.8 | 570 |
| 4 | 3.78 | 23.0 | 65.3 | 63.3 | 55.8 | 52.8 | 552 |
| 8 | 5.32 | 24.5 | 60.8 | 58.8 | 49.7 | 46.7 | 547 |
| 10 | 5.95 | 25.0 | 59.3 | 57.3 | 47.8 | 44.8 | 545 |
| 16 | 7.55 | 25.0 | 56.2 | 54.2 | 43.7 | 40.7 | 543 |
| 20 | 8.47 | 25.0 | 54.8 | 52.8 | 41.8 | 38.8 | 542 |
| 25 | 9.51 | 24.3 | 53.3 | 51.3 | 39.8 | 36.8 | 541 |
| 31.25 | 10.67 | 23.6 | 51.9 | 49.9 | 37.9 | 34.9 | 540 |
| 62.5 | 15.38 | 21.5 | 47.4 | 45.4 | 31.9 | 28.9 | 539 |
| 100 | 19.80 | 20.1 | 44.3 | 42.3 | 27.8 | 24.8 | 538 |
| 200 | 28.98 | 18.0 | 39.8 | 37.8 | 21.8 | 18.8 | 537 |
| 250 | 32.85 | 17.3 | 38.3 | 36.3 | 19.8 | 16.8 | 536 |

Cable complies to Fluke 90-meter permanent link Alien cross talk as per ANSI/TIA 568.2-D Standard

Manufacturing Units

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