

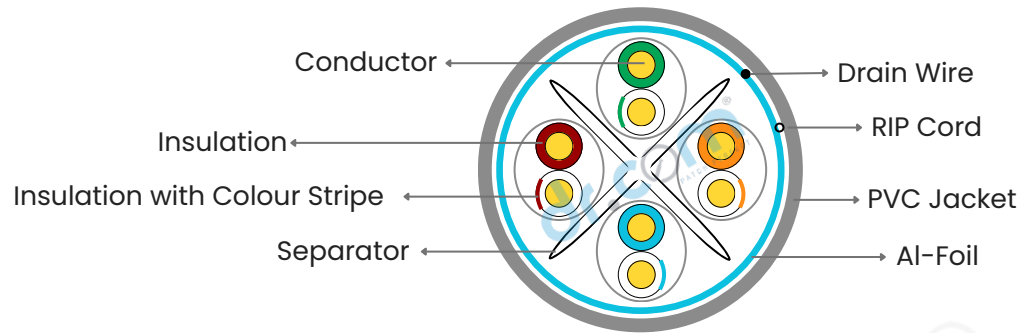
CAT6 FTP 24 AWG COPPER CABLES

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



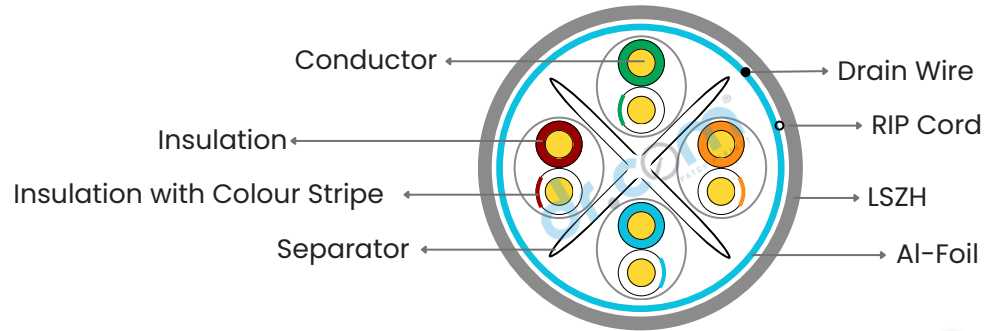
Specification

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



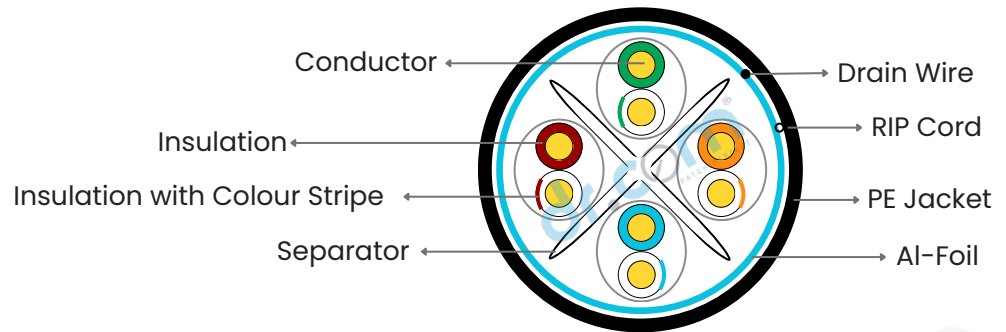
Specification

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



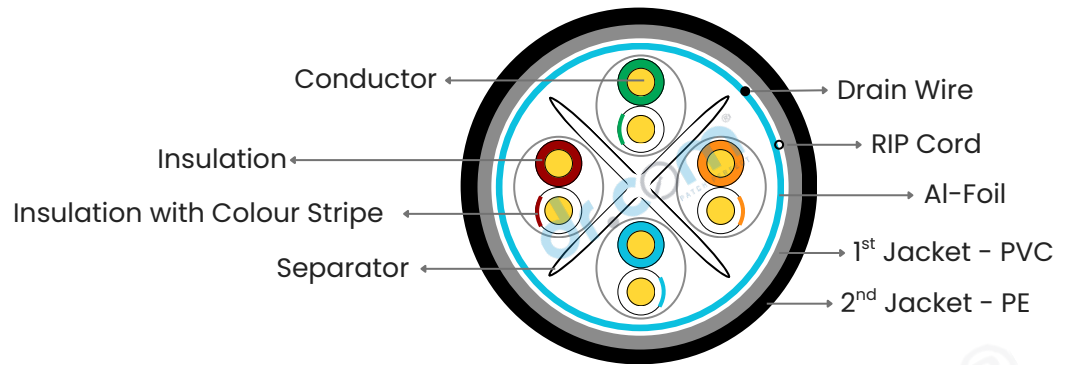
Specification

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



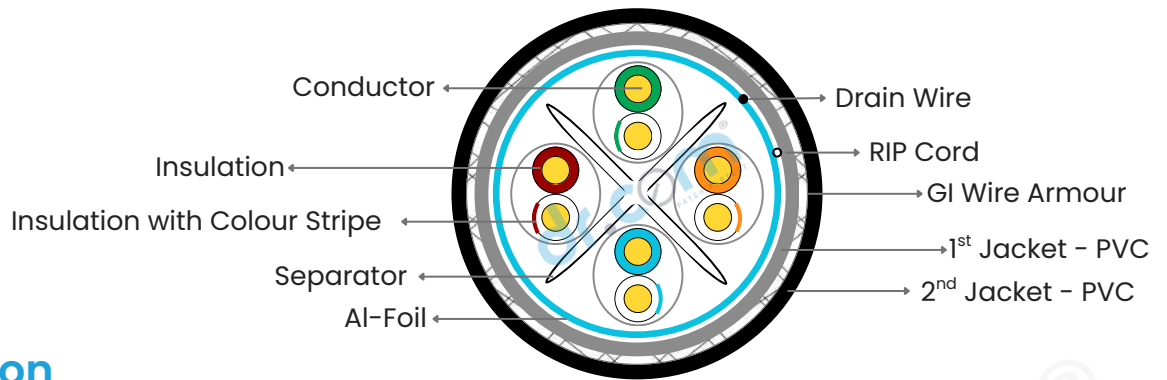
Specification

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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