

CAT6 SFTP 23 AWG COPPER CABLES

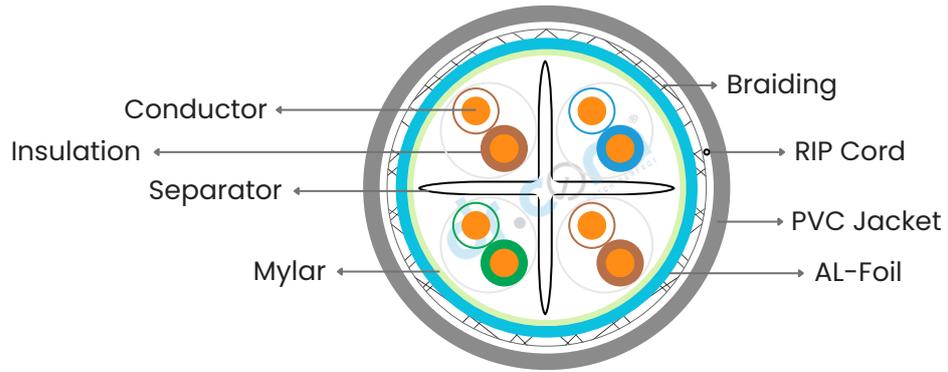
Key Features

- **Standards Compliant:** Delivers stable electrical performance and fully complies with ANSI/TIA-568.2-D and ISO/IEC 11801 standards.
- **Pure Copper Conductor:** Uses high-quality solid bare copper conductors to ensure lower resistance and improved electrical and transmission performance.
- **High-Strength Sheath:** Designed with strong mechanical properties and high tensile and compressive strength to minimize damage during installation and project execution.
- **UV-Resistant Jacket:** PE outer jacket protects the cable from long-term UV sunlight exposure, ensuring durability in outdoor environments.
- **SF/UTP Shielding:** SF/UTP construction provides excellent anti-interference capability for more stable and reliable signal transmission.
- **Fluke 90 m Tested:** Successfully tested for excellent performance in the Fluke 90-meter permanent link test.
- **Fluke 100 m PoE Tested:** Proven performance in the Fluke 100-meter channel test while continuously supporting 57V/1A DC power (PoE).



CAT6 SFTP 23 AWG

PVC CABLE



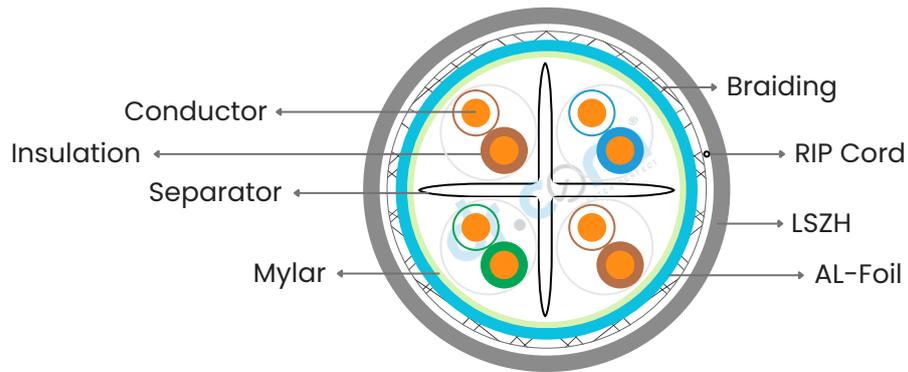
Specification

Model Part No	DR-CAT6_S/FTP-CU23_PV	
Category	CAT 6	
Reference Standard	ANSI/TIA-568.2-D, ISO/IEC11801	
Conductor	Material	Solid-Bare Copper (99.95%)
	Diameter	23AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.05mm
Sheath	Thickness	0.50 ± 0.10mm
	Diameter	7.5 ± 0.50 mm
	Material	PVC
	Color	Grey (* Custom Colors Available)
Rip-cord	Yes	
Separator	Yes	
Shield	Aluminum foil and braided shield	
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	≤ 7.75 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 SFTP 23 AWG

LSZH CABLE



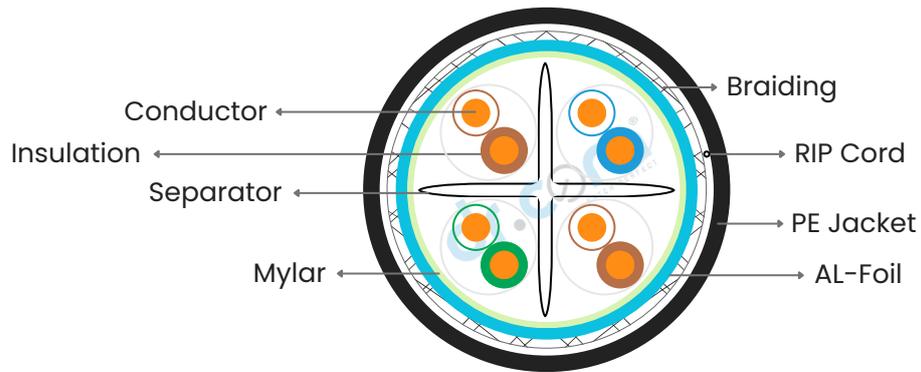
Specification

Model Part No	DR-CAT6_S/FTP-CU23_LS	
Category	CAT 6	
Reference Standard	ANSI/TIA-568.2-D, ISO/IEC11801	
Conductor	Material	Solid-Bare Copper (99.95%)
	Diameter	23AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.05mm
Sheath	Thickness	0.50 ± 0.10mm
	Diameter	7.5 ± 0.50 mm
	Material	LSZH
	Color	Custom Colors Available
Rip-cord	Yes	
Separator	Yes	
Shield	Aluminum foil and braided shield	
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	≤ 7.75 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
Package dimension		381 mm (W) × 381 mm (H) × 241 mm (D)
Weight		12 kg Approx
Packing		Spool

* Custom Lengths Available.

CAT6 SFTP 23 AWG

PE OUTDOOR CABLE



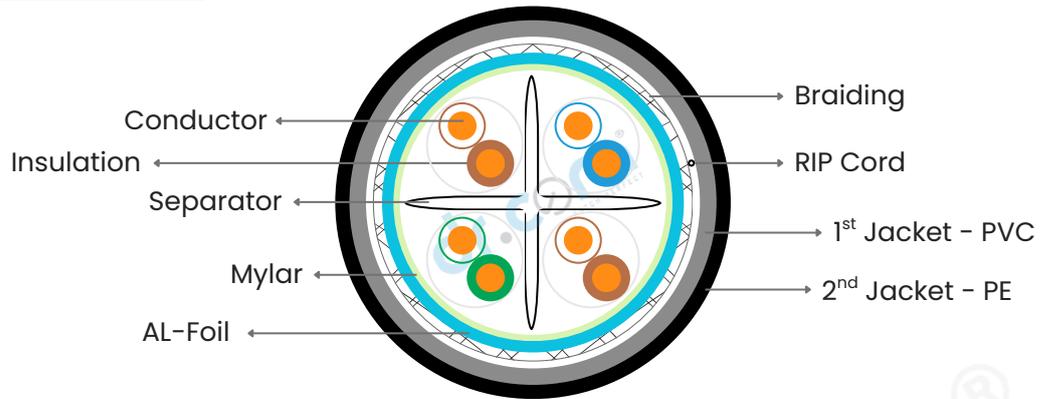
Specification

Model Part No	DR-CAT6_S/FTP-CU23_PE	
Category	CAT 6	
Reference Standard	ANSI/TIA-568.2-D, ISO/IEC11801	
Conductor	Material	Solid-Bare Copper (99.95%)
	Diameter	23AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.05mm
Sheath	Thickness	0.50 ± 0.10mm
	Diameter	7.5 ± 0.50 mm
	Material	PE
	Color	Black (* Custom Colors Available)
Rip-cord	Yes	
Separator	Yes	
Shield	Aluminum foil and braided shield	
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	≤ 7.75 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 SFTP 23 AWG

DOUBLE JACKETED CABLE



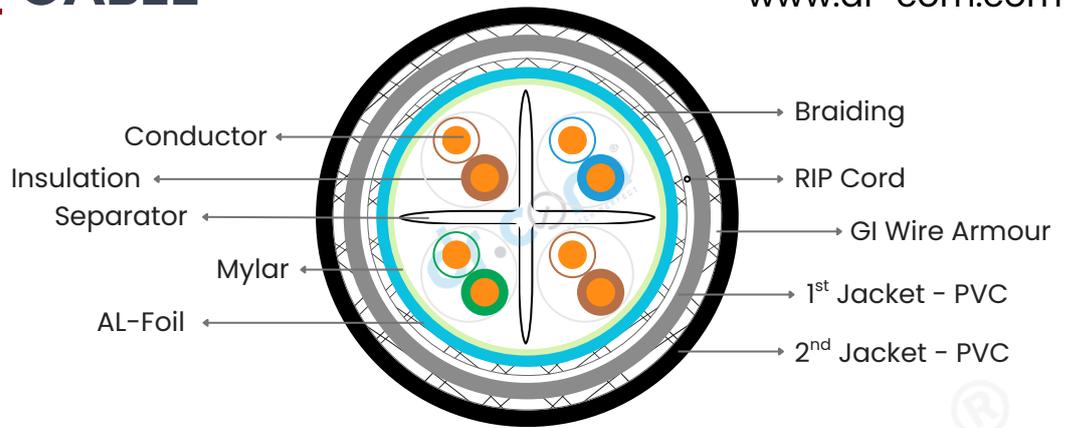
Specification

Model Part No	DR-CAT6_S/FTP-DC-CU23_PE	
Category	CAT 6	
Reference Standard	ISO/IEC11801, ANSI/TIA-568.2-D	
Conductor	Material	Solid-Bare Copper (99.95%)
	Diameter	23AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.05mm
Sheath	Thickness	0.50 ± 0.10mm
	Diameter	8.5 ± 0.50 mm
	Material	1 st Jacket - PVC 2 nd Jacket - PE
	Color	Black (* Custom Colors Available)
Rip-cord	Yes	
Separator	Yes	
Shield	Aluminum foil and braided shield	
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	≤ 7.75 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 SFTP 23 AWG

ARMoured CABLE



Specification

Model Part No	DR-CAT6_S/FTP-ARM-CU23_PV	
Category	CAT 6	
Reference Standard	ANSI/TIA 568-C.2 & ISO /IEC 11801	
Conductor	Material	Solid-Bare Copper (99.95%)
	Diameter	23AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.05mm
Sheath	Thickness	0.50 ± 0.10mm
	Diameter	11.5 ± 0.50 mm
	Material	1 st Jacket - PVC 2 nd Jacket - PVC
	Color	Black (* Custom Colors Available)
Rip-cord	Yes	
Separator	Yes	
Shield	Aluminum foil and braided shield	
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	≤ 7.75 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	2.03	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

Plot No. 67 & 70, Damanganga Industrial Park-II, New Survey
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