

## CAT6A FTP 23 AWG COPPER CABLES

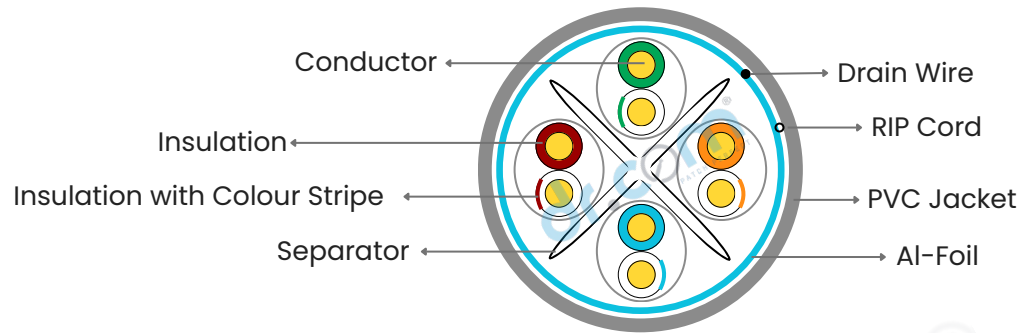
### Key Features

- **Standards Compliant:** Provides stable electrical performance and meets ANSI/TIA-568.2-D, IEC 61156, and ISO/IEC 11801 standards.
- **Durable Sheath:** Features a robust outer sheath with high tensile and compressive strength to reduce damage during installation and project execution.
- **High-Temperature Tested:** Delivers reliable performance in the Fluke 90-meter permanent link test while operating continuously at temperatures up to 50°C.
- **PoE Tested:** Ensures excellent performance in the Fluke 100-meter channel test under continuous 57 V / 1 A DC power load (PoE).
- **Pure Copper Conductor:** Uses solid bare copper conductors with lower resistance for improved electrical properties and superior transmission performance.



# CAT6A FTP 23 AWG

## PVC CABLE

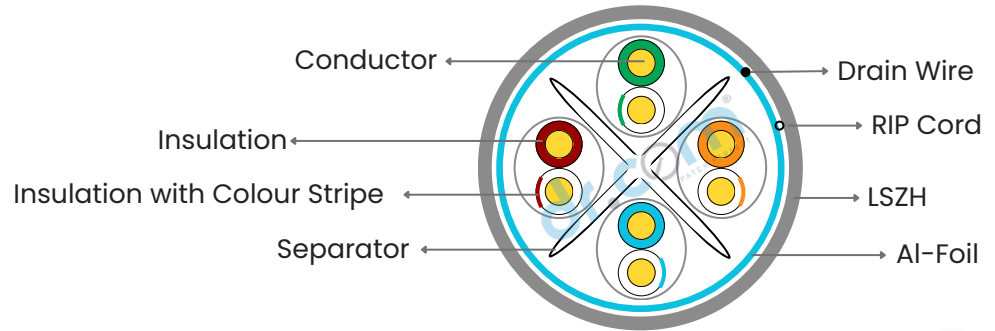


## Specification

Model   Part No	DR-CAT6A_F/UTP-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 ± 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	≤ 7.22 Ω/100 m
	DC conductor resistance unbalance	≤ 4.0%
	Ambient temperature	-20°C to 75°C (-4°F to 167°F)
	Operating voltage	72 V
	Cable length	305 ± 0.5 m
Physical Properties	Package dimension	381 mm (W) × 381 mm (H) × 241 mm (D)
	Weight	13.5 kg Approx
	Packing	Spool
	* Custom Lengths Available.	

# CAT6A FTP 23 AWG

## LSZH CABLE

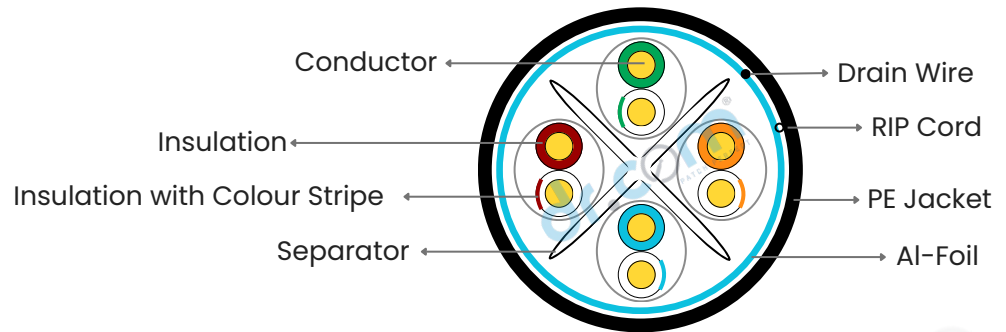


## Specification

Model   Part No	DR-CAT6A_F/UTP-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 ± 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	≤ 7.22 Ω/100 m
	DC conductor resistance unbalance	≤ 4.0%
	Ambient temperature	-20°C to 75°C (-4°F to 167°F)
	Operating voltage	72 V
Physical Properties	Cable length	305 ± 0.5 m
	Package dimension	381 mm (W) × 381 mm (H) × 241 mm (D)
	Weight	12.5 kg Approx
	Packing	Spool

\* Custom Lengths Available.

# CAT6A FTP 23 AWG PE OUTDOOR CABLE

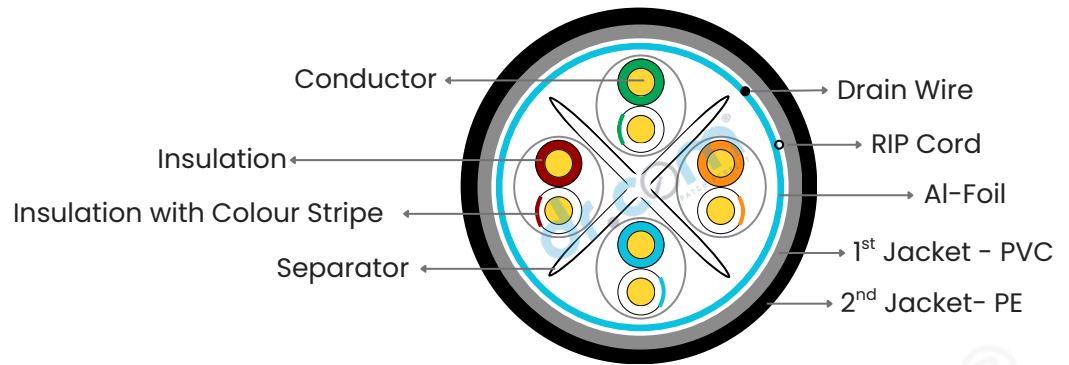


## Specification

Model   Part No	DR-CAT6A_F/UTP-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 ± 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	≤ 7.22 Ω/100 m
	DC conductor resistance unbalance	≤ 4.0%
	Ambient temperature	-20°C to 75°C (-4°F to 167°F)
	Operating voltage	72 V
	Cable length	305 ± 0.5 m
Physical Properties	Package dimension	381 mm (W) × 381 mm (H) × 241 mm (D)
	Weight	12 kg Approx
	Packing	Spool
* Custom Lengths Available.		

# CAT6A FTP 23 AWG

## DOUBLE JACKETED CABLE

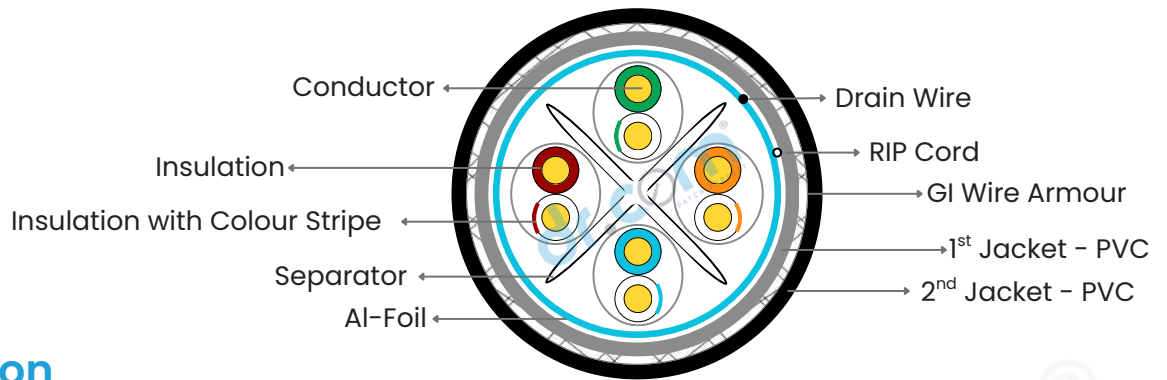


## Specification

Model   Part No	DR-CAT6A_F/UTP-DC-CU23_PE	
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	8.2 ± 0.50 mm
	Material	1 <sup>st</sup> Jacket - PVC 2 <sup>nd</sup> 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	≤ 7.22 Ω/100 m
	DC conductor resistance unbalance	≤ 4.0%
	Ambient temperature	-20°C to 75°C (-4°F to 167°F)
	Operating voltage	72 V
Physical Properties	Cable length	305 ± 0.5 m
	Package dimension	381 mm (W) × 381 mm (H) × 241 mm (D)
	Weight	17 kg Approx
	Packing	Spool
* Custom Lengths Available.		

# CAT6A FTP 23 AWG

## ARMoured CABLE



## Specification

Model   Part No	DR-CAT6A_F/UTPARM-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	10.5 ± 0.50 mm
	Material	1 <sup>st</sup> Jacket - PVC 2 <sup>nd</sup> 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	≤ 7.22 Ω/100 m
	DC conductor resistance unbalance	Max. 5%
	Ambient temperature	-20°C to 75°C (-4°F to 167°F)
	Operating voltage	72 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

Plot No. 67 & 70, Damanganga Industrial Park-II, New Survey  
No 3377 & 3380, Old Survey No 399/3/P, 1, Village - Dungra,  
Taluka -Vapi (Pardi), Valsad, Gujarat - 396191.

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