

CAT6 FTP 23 AWG CCA CABLES (0.55MM)

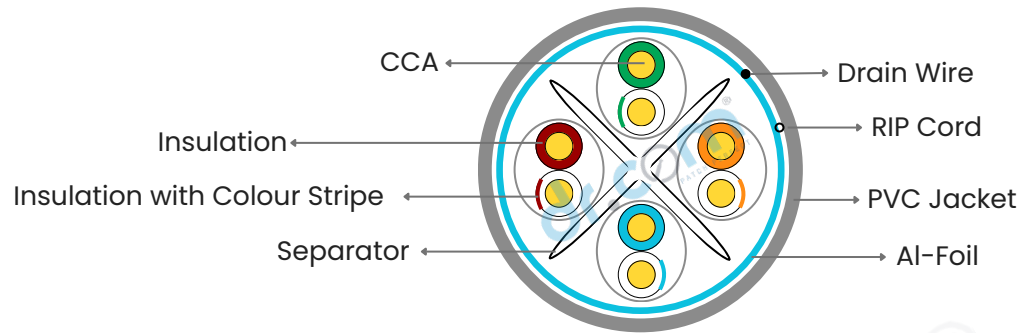
Key Features

- **Standards Compliant Performance:** Delivers stable electrical performance and complies with ANSI/TIA-568.2-D requirements.
- **High-Strength Sheath:** Designed with strong mechanical properties and high tensile and compressive strength to reduce damage during installation and project execution.
- **Fluke 90 m Tested:** Demonstrates excellent performance in the Fluke 90-meter channel test.
- **CPR Eca Certified:** Meets CE CPR Eca flame-retardant classification for enhanced fire safety compliance.



CAT6 FTP 23 AWG

PVC CABLE

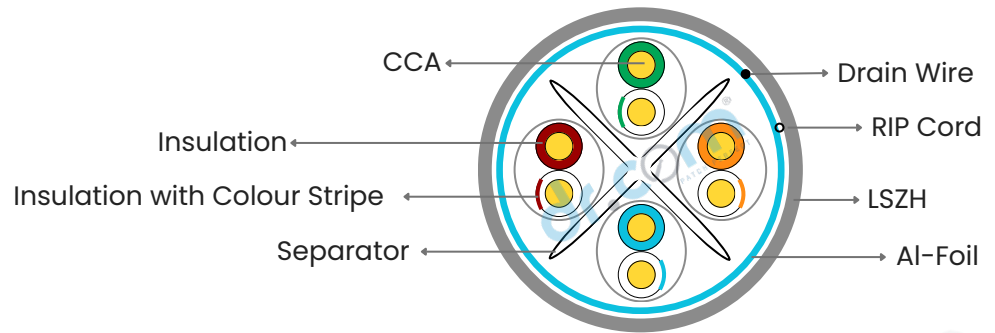


Specification

Model	DR-CAT6_F/UTP-CA23_PV	
Category	CAT 6	
Reference Standard	ANSI/TIA-568.2-D, ISO/IEC11801	
Conductor	Material	CCA (Copper content $\geq 22\%$)
	Diameter	0.55 ± 0.005 mm 23AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.05 mm
Sheath	Thickness	0.50 ± 0.10 mm
	Diameter	7 ± 0.50 mm
	Material	PVC
	Color	Grey
Rip-cord	Yes	
Separator	Yes	
Shield	Aluminum Polyester Foil + Drain Wire	
Electrical Characteristics (20°C)	1.0-500.0 MHz impedance	$100 \pm 15 \Omega$
	1.0-500.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	$\leq 7.75 \Omega/100$ m
	DC conductor resistance unbalance	$\leq 4.0\%$
	Ambient temperature	-10°C to 60°C
	Operating voltage	57 V
	Physical Properties	Cable length
Package dimension		381 mm (W) \times 381 mm (H) \times 241 mm (D)
Weight		13 kg Approx
Packing		Spool

CAT6 FTP 23 AWG

LSZH CABLE

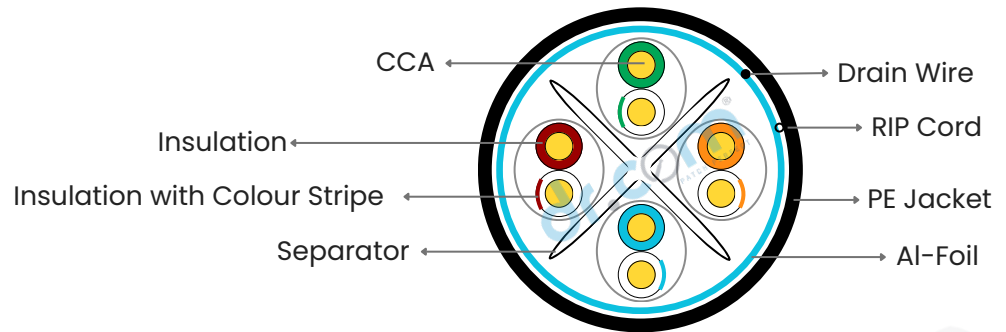


Specification

Model	DR-CAT6_F/UTP-CA23_LS	
Category	CAT 6	
Reference Standard	ANSI/TIA-568.2-D, ISO/IEC11801	
Conductor	Material	CCA (Copper content $\geq 22\%$)
	Diameter	0.55 ± 0.005 mm 23AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.05 mm
Sheath	Thickness	0.50 ± 0.10 mm
	Diameter	7 ± 0.50 mm
	Material	LSZH
	Color	Customize
Rip-cord	Yes	
Separator	Yes	
Shield	Aluminum Polyester Foil + Drain Wire	
Electrical Characteristics (20°C)	1.0-500.0 MHz impedance	$100 \pm 15 \Omega$
	1.0-500.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	$\leq 7.75 \Omega/100$ m
	DC conductor resistance unbalance	$\leq 4.0\%$
	Ambient temperature	-10°C to 60°C
	Operating voltage	57 V
Physical Properties	Cable length	305 ± 0.5 m
	Package dimension	381 mm (W) \times 381 mm (H) \times 241 mm (D)
	Weight	12 kg Approx
	Packing	Spool

CAT6 FTP 23 AWG

PE OUTDOOR CABLE

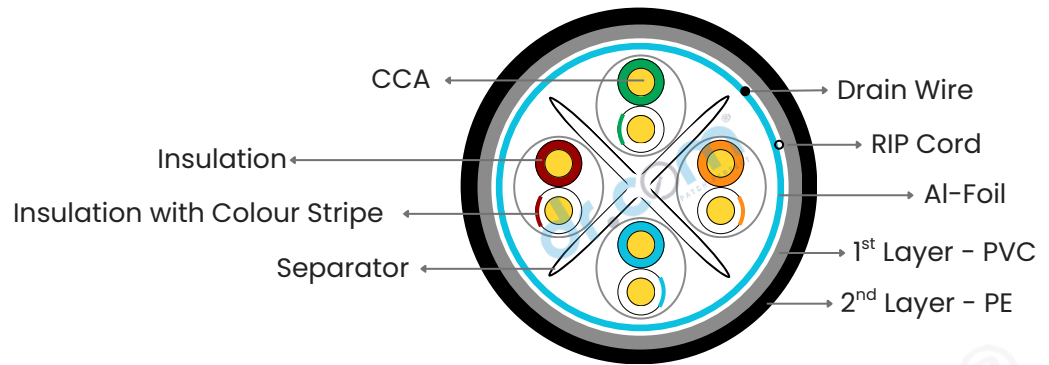


Specification

Model	DR-CAT6_F/UTP-CA23_PE	
Category	CAT 6	
Reference Standard	ANSI/TIA-568.2-D, ISO/IEC11801	
Conductor	Material	CCA (Copper content $\geq 22\%$)
	Diameter	0.55 ± 0.005 mm 23AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.05 mm
Sheath	Thickness	0.50 ± 0.10 mm
	Diameter	7 ± 0.50 mm
	Material	PE
	Color	Black
Rip-cord	Yes	
Separator	Yes	
Shield	Aluminum Polyester Foil + Drain Wire	
Electrical Characteristics (20°C)	1.0-500.0 MHz impedance	$100 \pm 15 \Omega$
	1.0-500.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	$\leq 7.75 \Omega/100$ m
	DC conductor resistance unbalance	$\leq 4.0\%$
	Ambient temperature	-10°C to 60°C
	Operating voltage	57 V
	Cable length	305 ± 0.5 m
Physical Properties	Package dimension	381 mm (W) \times 381 mm (H) \times 241 mm (D)
	Weight	11.5 kg Approx
	Packing	Spool

CAT6 FTP 23 AWG

DOUBLE COATED CABLE



Specification

Model	DR-CAT6_F/UTP-DC-CA23_PE	
Category	CAT 6	
Reference Standard	ANSI/TIA 568-C.2 & ISO /IEC 11801	
Conductor	Material	CCA (Copper content $\geq 22\%$)
	Diameter	0.55 ± 0.005 mm 23AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.05 mm
Sheath	Thickness	0.50 ± 0.10 mm
	Diameter	8.2 ± 0.50 mm
	Material	1 st Layer - PVC 2 nd Layer - PE
	Color	Black
Rip-cord	Yes	
Separator	Yes	
Shield	Aluminum Polyester Foil + Drain Wire	
Electrical Characteristics (20°C)	1.0-500.0 MHz impedance	$100 \pm 15 \Omega$
	1.0-500.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	$\leq 7.75 \Omega/100$ m
	DC conductor resistance unbalance	$\leq 4.0\%$
	Ambient temperature	-10°C to 60°C
	Operating voltage	57 V
Physical Properties	Cable length	305 ± 0.5 m
	Package dimension	381 mm (W) \times 381 mm (H) \times 241 mm (D)
	Weight	16.5 kg Approx
	Packing	Spool

Technical Performance

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

Manufacturing Units

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