

CAT6 UTP 24 AWG CCA CABLES

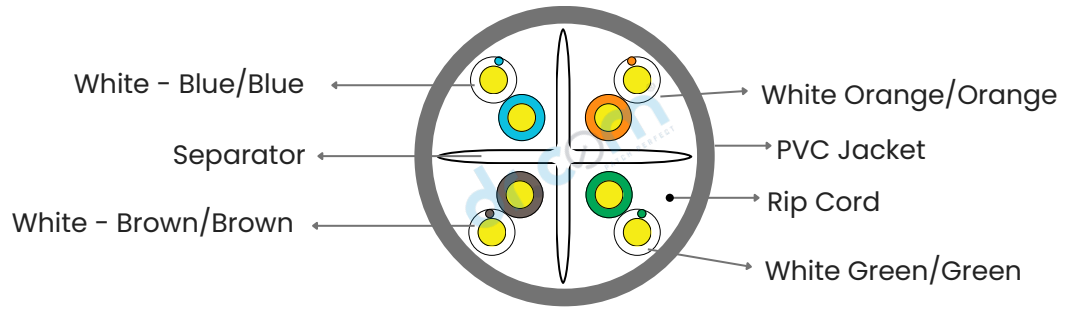
Key Features

- **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.



*Images are for representation purpose only.

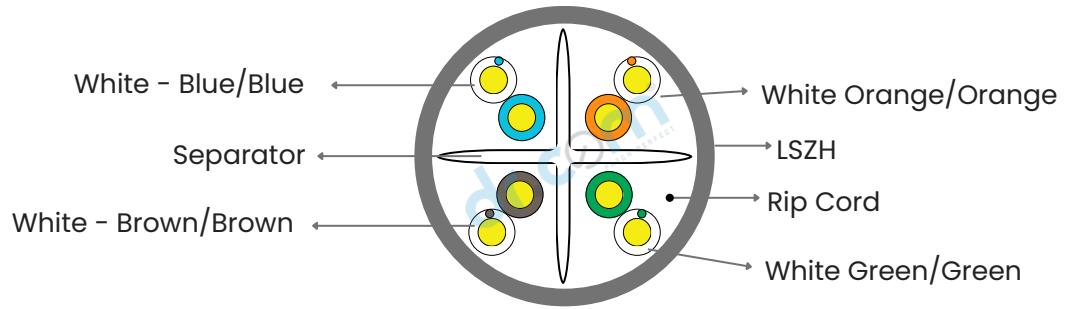
CAT6 UTP 24 AWG PVC CABLE



Specification

Model	DR-CAT6_U/UTP-CA24_PV		
Category	CAT 6		
Reference Standard	ISO/IEC11801, ANSI/TIA-568.2-D		
Conductor	Material	CCA (Copper content $\geq 22\%$)	
	Diameter	0.50 \pm 0.005 mm 24AWG	
Insulation	Material	HDPE	
	Diameter	0.92 \pm 0.05mm	
Sheath	Thickness	0.50 \pm 0.05 mm	
	Diameter	5.8 \pm 0.50 mm	
	Material	PVC	
	Color	Grey	
Rip-cord	Yes		
Separator	Yes		
Electrical Characteristics (20°C)	1.0-500.0 MHz impedance	100 \pm 15 Ω	
	1.0-500.0 MHz delay skew	≤ 45 ns/100 m	
	DC resistance	$\leq 9.38 \Omega/100$ m	
	DC conductor resistance unbalance	$\leq 4.0\%$	
	Ambient temperature	-10°C to 60°C	
	Operating voltage	57 V	
Physical Properties	Cable length	305 \pm 0.5 m	100 \pm 0.5 m
	Package dimension	381 mm (W) \times 381 mm (H) \times 241 mm (D)	260 mm (W) \times 260 mm (H) \times 108 mm (D)
	Weight	12 kg Approx	4 kg Approx
	Packing	Coil	Coil

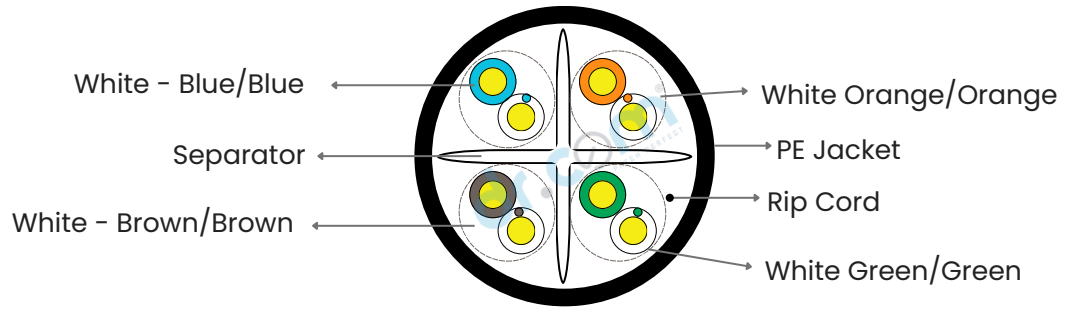
CAT6 UTP 24 AWG LSZH CABLE



Specification

Model	DR-CAT6_U/UTP-CA24_LS	
Category	CAT 6	
Reference Standard	ISO/IEC11801, ANSI/TIA-568.2-D	
Conductor	Material	CCA (Copper content $\geq 22\%$)
	Diameter	0.50 ± 0.005 mm 24AWG
Insulation	Material	HDPE
	Diameter	0.92 ± 0.05 mm
Sheath	Thickness	0.50 ± 0.05 mm
	Diameter	5.8 ± 0.50 mm
	Material	LSZH
	Color	Customize
Rip-cord	Yes	
Separator	Yes	
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	$\leq 9.38 \Omega/100$ 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		11 kg Approx
Packing		Spool

CAT6 UTP 24 AWG PE OUTDOOR CABLE

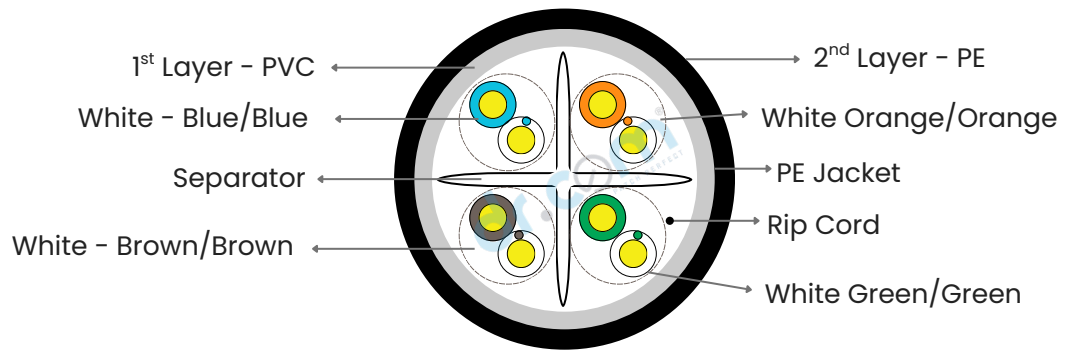


Specification

Model	DR-CAT6_U/UTP-CA24_PE		
Category	CAT 6		
Reference Standard	ISO/IEC11801, ANSI/TIA-568.2-D		
Conductor	Material	CCA (Copper content $\geq 22\%$)	
	Diameter	0.50 \pm 0.005 mm 24AWG	
Insulation	Material	HDPE	
	Diameter	0.92 \pm 0.05mm	
Sheath	Thickness	0.50 \pm 0.05 mm	
	Diameter	5.8 \pm 0.50 mm	
	Material	PE	
	Color	Black	
Rip-cord	Yes		
Separator	Yes		
Electrical Characteristics (20°C)	1.0-500.0 MHz impedance	100 \pm 15 Ω	
	1.0-500.0 MHz delay skew	≤ 45 ns/100 m	
	DC resistance	$\leq 9.38 \Omega/100$ m	
	DC conductor resistance unbalance	$\leq 4.0\%$	
	Ambient temperature	-10°C to 60°C	
	Operating voltage	57 V	
Physical Properties	Cable length	305 \pm 0.5 m	100 \pm 0.5 m
	Package dimension	381 mm (W) \times 381 mm (H) \times 241 mm (D)	260 mm (W) \times 260 mm (H) \times 108 mm (D)
	Weight	10.5 kg Approx	3.4 kg Approx
	Packing	Coil	Coil

CAT6 UTP 24 AWG

DOUBLE COATED CABLE



Specification

Model	DR-CAT6_U/UTP-DC-CA24_PE	
Category	CAT 6	
Reference Standard	ISO/IEC11801, ANSI/TIA-568.2-D	
Conductor	Material	CCA (Copper content \geq 22%)
	Diameter	0.50 \pm 0.005 mm 24AWG
Insulation	Material	HDPE
	Diameter	0.92 \pm 0.05mm
Sheath	Thickness	0.55 \pm 0.05 mm
	Diameter	6.8 \pm 0.50 mm
	Material	1 st Layer - PVC 2 nd Layer - PE
	Color	Black
Rip-cord	Yes	
Separator	Yes	
Electrical Characteristics (20°C)	1.0-500.0 MHz impedance	100 \pm 15 Ω
	1.0-500.0 MHz delay skew	\leq 45 ns/100 m
	DC resistance	\leq 9.38 Ω /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		15.5 kg Approx
Packing		Spool

* Custom Lengths Available.

Technical Performance (Fluke 90-meter permanent link)

FREQ (MHz)	Insertion Loss (dB)	NEXT (dB)	RL (dB)	ACR-N (dB)	ACR-F (dB)	PS NEXT (dB)	PS ACR-N (dB)	PS ACR-F (dB)
1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2
4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1
8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1
10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2
16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1
20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2
25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2
31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3
62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3
100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2
200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2
250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2

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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