



DLite U/UTP Cat6 23 AWG CCA Communication Cable 305m Box Grey Clour

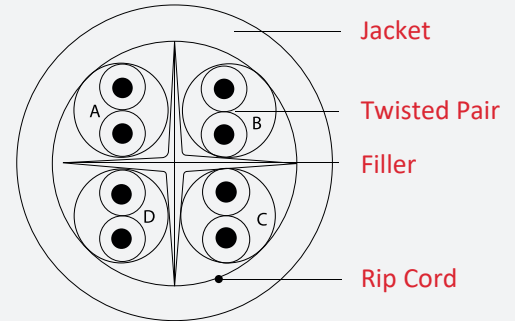
Part Number: DC6UTP-305

Premium Quality CCA(25%Cu) Cable

Product Overview

DLite DC6UTP-305 consists of 4 twisted pair cables with solid 23AWG CCA 25% Cu conductors and a "+" shaped separator. This way, crosstalk and system noise is reduced to a minimum, resulting in higher bandwidth and improved immunity against noise and interference caused by external devices. Providing an optimized solution for 10Base-T, 100Base-TX and 1000Base-T gigabit networks.

- Cat6 23 AWG communication cable
- U/UTP PVC cable
- Premium quality CCA (25% Cu) Cable
- Optimized for CCTV and ELV application
- Support upto 250Mhz and 1G bps network speed



PRODUCT SPECIFICATION

Conductor	Solid CCA 25% Copper
AWG	23
Conductor Dia. (±0.05mm)	0.57
Insulation	FPE
Average Thickness(mm)	0.220
Min. Point Thickness(mm)	0.200
Insulation Dia.(±0.01mm)	1.01
Twisted Pair Dia.(±0.02mm)	2.02
Filler	FPE
Assembly Dia.(±0.2mm)	4.8

Jacket	
Average Thickness(mm)	0.60
Outer Dia.(±0.1mm)	6.10
Color	Grey
Rip Cord	Nylon
1.0-100.0MHz Impedance (ohms)	100 ± 15
1.0-100.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance	<=330
Unbalance (pF/100m)	
Resistance Unbalance (%)	<=5

Insulation colors: Blue, White/Blue, Orange, White/Orange, Green, White/Green, Brown, White/Brown



ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
1	20.0	2.0	74.3
4	23.0	4.1	65.3
8	24.5	5.8	60.8
16	25.0	8.2	56.3
20	25.0	9.3	54.8
62.5	21.5	17.0	47.4
100	20.1	22.0	44.3
200	18.0	32.4	39.8
250	17.3	36.9	38.3

Frequency (MHz)	PSNEXT (Min dB)	ELFEXT (Min (dB/100m))	PSELFEXT (Min (dB/100m))	Delay Max (ns/100m)
1	72.3	67.8	64.8	570.0
4	63.3	55.7	52.7	552.0
8	58.8	49.7	46.7	546.7
16	54.3	43.7	40.7	543.0
20	52.8	41.7	38.7	542.0
62.5	45.4	31.8	28.8	538.6
100	42.3	27.8	24.8	537.6
200	37.8	21.7	18.7	536.5
250	36.3	19.8	16.8	536.3

MECHANICAL CHARACTERISTICS

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (oCxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend(-20±2oCx4hrs)	No crack
Pass Fluke 95-100M Channel test	

Ordering Information	
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