

# PRODUCT SPECIFICATION

CONNECT

IT

## EUROLAN Coppercable C6A U/UTP Dca Slim



### Ordering information

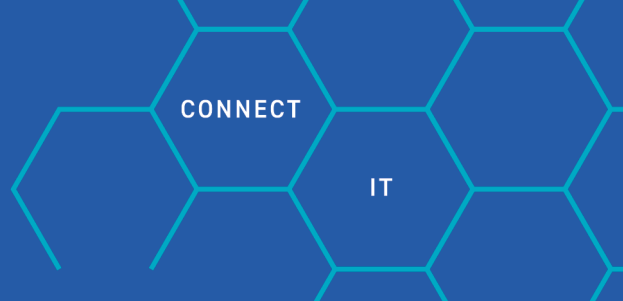
Part number	E-number	Description
19D-UA-25WT-R500	4902245	Eurolan C6A Slim 4 pair U/UTP 500MHz LSZH White Dca 500m/reel
19D-UA-25WT-X305	4902243	Eurolan C6A Slim 4 pair U/UTP 500MHz LSZH White Dca 305m/box
19D-UA-25WT-0	4902240	Eurolan C6A Slim 4 pair U/UTP 500MHz LSZH White Dca Cut

### Physical characteristics

Conductor	Bare copper, AWG 23, 4 pairs
Insulation	Polyethylene EN 50290-2-23
Color chart	Pair 1 white/blue - blue
	Pair 2 white/orange - orange
	Pair 3 white/green - green
	Pair 4 white/brown - brown
Cabling	4 pairs twisted together + cross separator
Outer jacket material	LSZH, appr Ø 6,0 mm, White RAL 9003
Weight kg/km	43

- **Application:**  
Horizontal and building back-bone cable. Support current and future Category 6A and 6 applications such as:  
10GBase-T (10 Gigabit Ethernet),  
1000Base-T (Gigabit Ethernet),  
100 Base-T, 10 Base-T, FDDI,  
ATM 155  
Power over Ethernet (PoE):  
4PPoE 100W, IEEE 802.3bt
- **Standards:**  
ANSI/TIA 568.2-D  
ISO/IEC 11801 2nd ed  
EN 50173-1  
IEC 61156-5  
EN 50288-11-1
- **Fire rating:**  
**Dca-s2,d2,a2**  
**DoP number:** 60-2501  
Notified body: 1783  
EN-50575:2014+A1:2016  
LSZH: IEC 60332-1-2  
IEC 60754-1

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## EUROLAN Coppercable C6A U/UTP Dca Slim

Conductor Resistance (20°C)	< 85 Ω/km
Resistance Unbalance	< %1
Capacitance	50 pF/m
Capacitance Unbalance	1500 pF/km
Velocity of Propagation	67%
Delay Skew	< 45 ns/100 m
Impedance (100MHz)	100 ± 5 Ω
TCL	min. level 2
Segregation Class	b

Insulation Resistance (500V DC-1 min)	> 5000 MΩ.km
Operating Voltage	72 V
Test voltage (1 min)	1000 V
Bending Radius	8 x d
Temperature Range	-20°C ~+60°C
Flame Retardant	IEC / EN / DIN EN 60332-1-2
Smoke Density	IEC / EN / DIN EN 61034-2
Test on Corrosiveness of combustion gases	IEC / EN / DIN EN 60754-2
Halogen Free Test	IEC / EN / DIN EN 60754-1

High Frequency							
Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Return Loss (dB/100m)	ACR-N (dB/100m)	ACR-F (ELFEXT) (dB/100m)	PS-ACR-F (PSELFEXT) (dB/100m)
4	3,6	95	90	23	70	90	95
10	5,6	95	90	26	60	90	95
16	7,2	95	90	28	55	90	95
31,25	10,5	90	85	25	46	85	85
62,5	14,6	90	85	25	37	80	80
100	18,5	90	85	23	29	70	75
250	30	90	85	20	10	65	75
400	36	75	75	23	-20	65	65
500	41	75	75	23	-23	55	60
600	46	85	75	23	-25	50	60