



Category 6 U/UTP Cable LSZH Dca

Unscreened solid category 6 cable U/UTP LSZH Dca manufactured and tested to the TIA/EIA 568-B.2-1, EN50173 and ISO/IEC 11801 Cat 6 specifications. 8 colour coded solid copper conductors twisted together to form four pairs are formed around a central X-shaped cross separator with the whole cable produced in a LSZH sheath.

Construction

Conductor: Solid plain annealed bare copper wire
0,526 +0.02/-0,04mm (AWG24)

Twisting: 4 twisted pairs, 2 single conductors paired,
1: white / blue 2: white-orange / orange
3: white / green 4: white-brown / brown

Cable lay up: 4 pairs with different pitches

Non-metallic cross separator (spine)

Mechanical Properties

Outer diameter: nom. 5,2mm

Bending radius: 4xOD without load
8xOD with load

Temperature range

during operation: -20°C up to 60°C

during installation: 0°C up to 50°C

Fire rating, CPR Class Dca-s2,d2,a1 EN50575

Electrical Properties (at 20°C ± 5°C)

DC resistance max. 9.38 Ω / 100 m at 20 °C

Resistance unbalance max. 2 % at 20 °C

Insulation resistance (500V) min. 5000 MΩ/Km at 20 °C

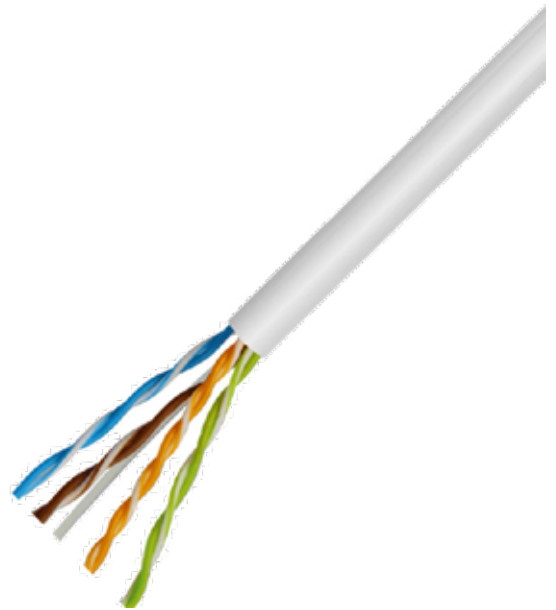
Mutual capacitance max. 5.6 nf / 100 m at 1 kHz

Capacitance unbalance (pair to ground)

max. 160 pf / 100 m at 1 kHz

Nominal velocity of propagation nom. 67 %

Test voltage (DC, 1 min) 1 kV / 1 min



PART.NO	DESCRIPTION	PACKAGING	COLOR
OC1001	Opus Category 6 U/UTP Cable LSZH Dca	305mtr ReelEx Box	White