



## Category 6A U/UTP Cable LSZH Dca

Unscreened solid category 6A cable U/UTP LSZH Dca manufactured and tested to the TIA/EIA 568-B.2-1, EN50173 and ISO/ IEC 11801 Cat 6A specifications. 8 color coded solid copper conductors twisted together to form four pairs that are formed around a central X-shaped cross separator and surrounded with a barrier tape that is not electrical enable with the whole cable produced in a LSZH sheath.

### Construction

Conductor: Solid plain annealed bare copper wire

0,561 ±0,015 AWG23

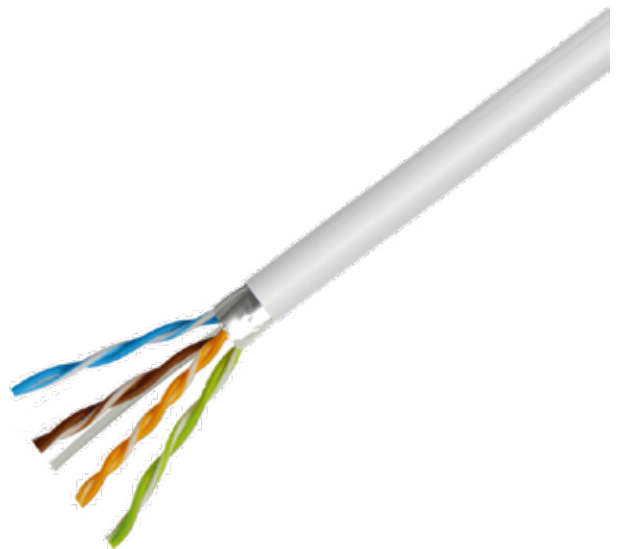
Twisting: 4 twisted pairs, 2 single conductors paired,

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) and a barrier tape that is not electrical enable.



### Mechanical Properties

Outer diameter:            nom. 7,2mm

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
OC2001	Opus Category 6A U/UTP Cable LSZH Dca	500mtr Reel	White