

301-CI8501-0500

Multi-Conductor – Unshielded Twisted Pair Cable



DESCRIPTION

16 AWG stranded (19x29) tinned copper conductors, PVC insulation, twisted pair, PVC jacket.

APPLICATION

Multipair Audio, Control and Instrumentation Cable for Industrial, Data, Interconnect and Analogue Audio used.

PHYSICAL CHARACTERISTICS

Conductor

AWG

Pair	AWG	Stranding	Conductor Material
1	16	19x29	TC – Tinned Copper

Insulation

Insulation Material

Insulation Material	Wall Thickness (mm)
PE – Polyethylene	0.58

Outer Shield

Outer Shield Material

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC – PolivinyI Chloride	0.81

Overall Cabling

Overall Nominal Diameter : 6.27 mm

Pair

Pair Color Code Chart

Number	Color
1	Black & Clear

Mechanical Characteristics (Overall Cable)

Operating Temperature Range	-20°C to 80°C
Temperature Rating	80°C
Max Pulling Tension	45 Kg
Min. Bend Radius	88.600 mm

Applicable Specifications and Agency Compliance (Overall Cable)

Applicable Standards

EU CE Mark (Y/N)	Yes
EU Directive 2002/95/EC (RoHS) (Y/N)	Yes
EU RoHS (Y/N)	Yes

Electrical Characteristics (Overall Cable)

Nom. Inductance

Inductance (µH/m)
0.62

Nom. Capacitance Conductor to Conductor

Capacitance (pF/m)
108.270

Nom. Conductor DC Resistance

DCR@20°C (Ohm/km)
14.73

Max. Operating Voltage

Voltage
300

Max. Operating Current

Current/Cond. @ 20°C
7.1 Amps

Part Number

301-CI8501-0500	1 Pair 16 AWG Unshielded Twisted Cable
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Product Family

301-CI8701-0500	1 Pair 12 AWG Unshielded Twisted Cable
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301-CI8601-0500	1 Pair 14 AWG Unshielded Twisted Cable
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301-CI8501-0500	1 Pair 16 AWG Unshielded Twisted Cable
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301-CI8401-0500	1 Pair 18 AWG Unshielded Twisted Cable
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301-CI8 xx-0yzz

Substitute : xx = Number of Pair

y : 3= 305m/Box, 5=500m/reel, 1=1000m/reel

zz : 00 = PVC, LS = LSZH(Orange colour jacket)

Other sizes from 30AWG to 10AWG are available upon request

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