

301-CI9401-0500

Multi-Conductor – Shield Twisted Pair Cable



DESCRIPTION

18 AWG stranded (16x30) tinned copper conductor, polyethylene insulation, twisted pair, aluminum shield (125% coverage), 20 AWG stranded tinned copper drain wire, 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	18	16x30	TC – Tinned Copper

Insulation

Insulation Material

Insulation Material	Wall Thickness (mm)
PE – Polyethylene	0.48

Outer Shield

Outer Shield Material

Type	Outer Shield Material	Coverage
Tape	Aluminum Mylar	125%

Outer Shield Drain Wire AWG

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC – Tinned Copper

Outer Jacket

Outer Jacket Material

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC – Polyvinyl Chloride	0.71

Overall Cabling

Overall Nominal Diameter : 5.6 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	28 Kg
Min. Bend Radius	57.15 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. Characteristic Impedance

Impedance (Ohm)
57

Nom. Inductance

Inductance (μH/ft)
0.18

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
29.8

Nom. Capacitance Cond. to Other Conductor & Shield

Capacitance (pF/ft)
44

Nom. Conductor DC Resistance

DCR @20°C (Ohm/1000ft)
6.5

Max. Operating Voltage

Voltage
300

Max. Operating Current

Current/Cond. @ 25°C
5.2A

Part Number

301-CI9401-0500	1 Pair 18 AWG Shielded Twisted Cable
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Product Family

301-CI9402-0500	2 Pair 18 AWG Shielded Twisted Cable
301-CI9403-0500	3 Pair 18 AWG Shielded Twisted Cable
301-CI9404-0500	4 Pair 18 AWG Shielded Twisted Cable

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