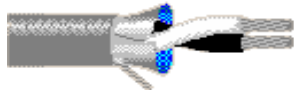


# 301-CI9404-0500

## 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
4	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 – PolivinyI Chloride	0.75

**Overall Cabling**

Overall Nominal Diameter : 10.0 mm

**Pair**

**Pair Color Code Chart**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue

## Mechanical Characteristics (Overall Cable)

Operating Temperature Range	-20°C to 60°C
Temperature Rating	60°C
Max Pulling Tension	58 Kg
Min. Bend Radius	75.15 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

<b>Impedance (Ohm)</b>
57

### Nom. Inductance

<b>Inductance (µH/ft)</b>
0.18

### Nom. Capacitance Conductor to Conductor

<b>Capacitance (pF/ft)</b>
29.8

### Nom. Capacitance Cond. to Other Conductor & Shield

<b>Capacitance (pF/ft)</b>
44

### Nom. Conductor DC Resistance

<b>DCR@20°C (Ohm/km)</b>
21.8

### Max. Operating Voltage

<b>Voltage</b>
300

### Max. Operating Current

<b>Current/Cond. @ 20°C</b>
5,2A

## Part Number

301-CI9404-0500	4 Pair 18 AWG Shielded Twisted Cable
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## Product Family

301-CI9401-0500	1 Pair 18 AWG Shielded Twisted Cable
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301-CI9402-0500	2 Pair 18 AWG Shielded Twisted Cable
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301-CI9404-0500	4 Pair 18 AWG Shielded Twisted Cable
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