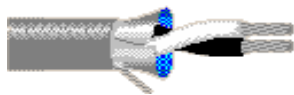


## 301-CI9302-0500

### Multi-Conductor – Shield Twisted Pair Cable



#### DESCRIPTION

20 AWG stranded (7x28) 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
2	20	7x28	TC – Tinned Copper

##### Insulation

###### Insulation Material

Insulation Material	Wall Thickness (mm)
PE – Polyethylene	0.41

##### 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 : 6.6 mm

##### Pair

###### Pair Color Code Chart

Number	Color
1	Black & Red
2	Black & White

## Mechanical Characteristics (Overall Cable)

Operating Temperature Range	-20°C to 80°C
Temperature Rating	80°C
Max Pulling Tension	31 Kg
Min. Bend Radius	67.15 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)
56

### Nom. Inductance

Inductance (μH/ft)
0.18

### Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
27

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

Capacitance (pF/ft)
49

### Nom. Conductor DC Resistance

DCR@20°C (Ohm/km)
34.6

### Max. Operating Voltage

Voltage
300

### Max. Operating Current

Current/Cond. @ 20°C
3.9A

**Part Number**

301-CI9302-0500	2 Pair 20 AWG Shielded Twisted Cable
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**Product Family**

301-CI9301-0500	1 Pair 20 AWG Shielded Twisted Cable
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301-CI9302-0500	2 Pair 20 AWG Shielded Twisted Cable
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301-CI9304-0500	4 Pair 20 AWG Shielded Twisted Cable
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**NGUYEN TRUNG DUC**

**Phone: 0985 72 72 32**

**Skype: trungduc.0290**

**[duc.nguyen@ulcab.com.vn](mailto:duc.nguyen@ulcab.com.vn)**

**WEB : [ulcab.com.vn](http://ulcab.com.vn)**

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