

## 301-CI9202-0500

### Multi-Conductor – Shield Twisted Pair Cable



#### DESCRIPTION

22 AWG stranded (7x30) tinned copper conductor, HDPE insulation, twisted pair, aluminum shield (125% coverage), 22 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	22	7x30	TC – Tinned Copper

##### Insulation

###### Insulation Material

Insulation Material	Wall Thickness (mm)
HDPE - High Density 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
22	7x30	TC – Tinned Copper

##### Outer Jacket

###### Outer Jacket Material

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC – Polivinyll Chloride	0.7

##### Overall Cabling

Overall Nominal Diameter : 6.0 mm

##### Pair

###### Pair Color Code Chart

Number	Color
1	Black & Red
2	Black & White

## Mechanical Characteristics (Overall Cable)

Operating Temperature Range	-20°C to 60°C
Temperature Rating	60°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)
27

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

Capacitance (pF/ft)
49

### Nom. Conductor DC Resistance

DCR @20°C (Ohm/1000ft)
9.5

### Max. Operating Voltage

Voltage
300

### Max. Operating Current

Current/Cond. @ 25°C
3.9A

## Part Number

301-CI9202-0500	2 Pair 22 AWG Shielded Twisted Cable
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**Product Family**

301-CI9201-0500	1 Pair 22 AWG Shielded Twisted Cable
301-CI9203-0500	3 Pair 22 AWG Shielded Twisted Cable
301-CI9204-0500	4 Pair 22 AWG Shielded Twisted Cable

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