

## 301-CI9601-0500

### Multi-Conductor – Shield Twisted Pair Cable



#### DESCRIPTION

14 AWG stranded (42x30) tinned copper conductor, polyethylene insulation, twisted pair, aluminum shield (125% coverage), 16 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	14	42x30	TC – Tinned Copper

##### Insulation

###### Insulation Material

Insulation Material	Wall Thickness (mm)
PE – Polyethylene	0.81

##### 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
16	19x29	TC – Tinned Copper

##### Outer Jacket

###### Outer Jacket Material

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

#### Overall Cabling

Overall Nominal Diameter : 8.6 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	72.5 Kg
Min. Bend Radius	95.25 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)
58

### Nom. Inductance

Inductance (μH/ft)
0.2

### Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
24

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

Capacitance (pF/ft)
47

### Nom. Conductor DC Resistance

DCR@20°C (Ohm/1000ft)
2.86

### Max. Operating Voltage

Voltage
600

### Max. Operating Current

Current/Cond. @ 20°C
9.6A

## Part Number

301-CI9601-0500	1 Pair 14 AWG Shielded Twisted Cable
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### Product Family

301-CI9602-0500	2 Pair 14 AWG Shielded Twisted Cable
301-CI9603-0500	3 Pair 14 AWG Shielded Twisted Cable
301-CI9604-0500	4 Pair 14 AWG Shielded Twisted Cable

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