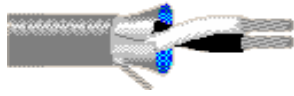


# 301-CI9504-0500

## Multi-Conductor – Shield Twisted Pair Cable



### DESCRIPTION

16 AWG stranded (19x29) tinned copper conductor, polyethylene insulation, twisted pair, aluminum shield (125% coverage), 18 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	16	19x29	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
18	16x30	TC – Tinned Copper

#### Outer Jacket

##### Outer Jacket Material

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

#### Overall Cabling

Overall Nominal Diameter : 14.0 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 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

<b>Impedance (Ohm)</b>
65

### Nom. Inductance

<b>Inductance (µH/ft)</b>
0.2

### Nom. Capacitance Conductor to Conductor

<b>Capacitance (pF/ft)</b>
23

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

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

### Nom. Conductor DC Resistance

<b>DCR@20°C (Ohm/1000ft)</b>
4.5

### Max. Operating Voltage

<b>Voltage</b>
600

### Max. Operating Current

<b>Current/Cond. @ 20°C</b>
7A

## Part Number

301-CI9504-0500	4 Pair 16 AWG Shielded Twisted Cable
-----------------	--------------------------------------

## Product Family

301-CI9501-0500	1 Pair 16 AWG Shielded Twisted Cable
-----------------	--------------------------------------

301-CI9502-0500	2 Pair 16 AWG Shielded Twisted Cable
-----------------	--------------------------------------

301-CI9504-0500	4 Pair 16 AWG Shielded Twisted Cable
-----------------	--------------------------------------

**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)**

© Alantek Communications USA

All Right Reserved.

Alantek® Communications USA 2006. This information provides a general description of product and shall not form part of any contract. Improvement or changes may be made to the product without advanced notification.