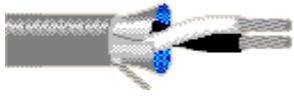


# 301-CI9201-0500

## Multi-Conductor – Shield Twisted Pair Cable



**DESCRIPTION**

22 AWG stranded (7x30) tinned copper conductor, polyethylene 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 |
|------|-----|-----------|--------------------|
| 1    | 22  | 7x30      | 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 |
|-----|-----------|-------------------------------|
| 22  | 7x30      | TC – Tinned Copper            |

**Outer Jacket**

**Outer Jacket Material**

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC – PolivinyI Chloride | 0.64                     |

**Overall Cabling**

Overall Nominal Diameter : 4.3 mm

**Pair**

**Pair Color Code Chart**

| Number | Color         |
|--------|---------------|
| 1      | Black & Clear |

## 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)**

29.8

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

**Capacitance (pF/ft)**

44

### Nom. Conductor DC Resistance

**DCR@20°C (Ohm/km)**

55.0

### Max. Operating Voltage

**Voltage**

300

### Max. Operating Current

**Current/Cond. @ 20°C**

3.9A

## Part Number

|                 |                                      |
|-----------------|--------------------------------------|
| 301-CI9201-0500 | 1 Pair 22 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

## Product Family

|                 |                                      |
|-----------------|--------------------------------------|
| 301-CI9201-0500 | 1 Pair 20 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

|                 |                                      |
|-----------------|--------------------------------------|
| 301-CI9202-0500 | 2 Pair 20 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

|                 |                                      |
|-----------------|--------------------------------------|
| 301-CI9204-0500 | 4 Pair 20 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.