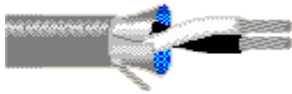


# 301-CI9602-0000

## 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 |
|------|-----|-----------|--------------------|
| 2    | 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 – PolivinyI Chloride | 0.81                     |

#### Overall Cabling

Overall Nominal Diameter : 8.6 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         | 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-CI9602-0000 | 2 Pair 14 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

## Product Family

|                 |                                      |
|-----------------|--------------------------------------|
| 301-CI9601-0000 | 1 Pair 14 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

|                 |                                      |
|-----------------|--------------------------------------|
| 301-CI9602-0000 | 2 Pair 14 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

|                 |                                      |
|-----------------|--------------------------------------|
| 301-CI9604-0000 | 4 Pair 14 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

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