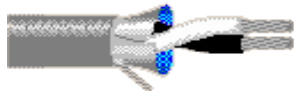


301-CI9601-0000

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 |
|------|-----|-----------|--------------------|
| 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-CI9601-0000 | 1 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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