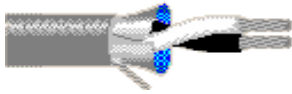


301-CI9602-0500

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 |
|------|-----|-----------|--------------------|
| 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-CI9602-0500 | 2 Pair 14 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

Product Family

| | |
|-----------------|--------------------------------------|
| 301-CI9601-0500 | 1 Pair 14 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

| | |
|-----------------|--------------------------------------|
| 301-CI9602-0500 | 2 Pair 14 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

| | |
|-----------------|--------------------------------------|
| 301-CI9604-0500 | 4 Pair 14 AWG Shielded Twisted Cable |
|-----------------|--------------------------------------|

NGUYEN TRUNG DUC

Phone: 0985 72 72 32

Skype: trungduc.0290

duc.nguyen@ulcab.com.vn

WEB : 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.