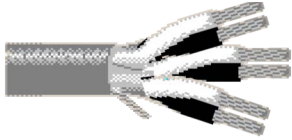


# 301-CI9403-0500 | Alantek 18AWG 3 Pair Multi-Conductor – Shield Twisted Pair Cable



## DESCRIPTION

18 AWG stranded (16x30) tinned copper conductor, polyethylene insulation, twisted pair, aluminum shield (125% coverage), 20 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
3	18	16x30	TC – Tinned Copper

### Insulation

#### Insulation Material

Insulation Material	Wall Thickness (mm)
PE – Polyethylene	0.48

### 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
20	7x28	TC – Tinned Copper

### Outer Jacket

#### Outer Jacket Material

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC – Polivinyll Chloride	0.71

### Overall Cabling

Overall Nominal Diameter : 5.6 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	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/1000ft)
6.5

### Max. Operating Voltage

Voltage
300

### Max. Operating Current

Current/Cond. @ 25°C
5.2A

## Part Number

301-CI9401-0500	1 Pair 18 AWG Shielded Twisted Cable
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## Product Family

301-CI9402-0500	2 Pair 18 AWG Shielded Twisted Cable
301-CI9403-0500	3 Pair 18 AWG Shielded Twisted Cable
301-CI9404-0500	4 Pair 18 AWG Shielded Twisted Cable

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