

# 301-CI8401-0500

## Multi-Conductor – Unshielded Twisted Pair Cable



**DESCRIPTION**

18 AWG stranded (7x26) tinned copper conductors, PVC insulation, twisted pair, 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	18	7x26	TC – Tinned Copper

**Insulation**

**Insulation Material**

Insulation Material	Wall Thickness (mm)
PE – Polyethylene	0.55

**Outer Shield**

**Outer Shield Material**

Outer Shield Material
Unshielded

**Outer Jacket**

**Outer Jacket Material**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC – PolivinyI Chloride	0.78

**Overall Cabling**

Overall Nominal Diameter : 5.94 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	40 Kg
Min. Bend Radius	80.600 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. Inductance

<b>Inductance (µH/m)</b>
0.62

### Nom. Capacitance Conductor to Conductor

<b>Capacitance (pF/m)</b>
108.270

### Nom. Conductor DC Resistance

<b>DCR@20°C (fi/1000ft)</b>
5.86

### Max. Operating Voltage

<b>Voltage</b>
300

### Max. Operating Current

<b>Current/Cond. @ 20°C</b>
4.8 Amps

## Part Number

301-CI8401-0500	1 Pair 18 AWG Unshielded Twisted Cable
-----------------	--

## Product Family

301-CI8701-0500	1 Pair 12 AWG Unshielded Twisted Cable
-----------------	--

301-CI8601-0500	1 Pair 14 AWG Unshielded Twisted Cable
-----------------	--

301-CI8501-0500	1 Pair 16 AWG Unshielded Twisted Cable
-----------------	--

301-CI8401-0500	1 Pair 18 AWG Unshielded Twisted Cable
-----------------	--

301-CI8 xx-0yzz

Substitute : xx = Number of Pair

y : 3= 305m/Box, 5=500m/reel, 1=1000m/reel

zz : 00 = PVC, LS = LSZH(Orange colour jacket)

Other sizes from 30AWG to 10AWG are available upon request

**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.