

# 22 AWG 1-PAIR TWISTED SHIELDED INSTRUMENT CABLE

## Description

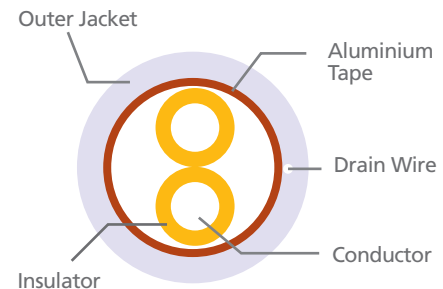
22 AWG stranded Tinned Copper Conductor cover with Polyethylene (PE) insulation. Overall shield has a coverage of 125%. A 22 AWG stranded Tinned Copper Drain Wire is located between the shield and the Outer PVC or LSZH jacket.

### Application

Control and  
Instrument Wiring

### Standard

- UL CM CL2
- RoHS



## Physical Specifications

Conductor	
No. of Pairs	1
Total No. of Conductors	2
AWG	22
Stranding	7 x 30
Conductor Material	Tinned Copper
Insulation	
Material	PE-Polyethylene
Nom. Thickness	0.016"
Lay Length	1.5"
Twists/ft	8
Pair Colour Code	
1	Black & Clear
Outer Shield	
Material	Aluminium Foil-Polyester Tape
Coverage	125%
Outer Shield Drain Wire	
AWS	22
Stranding	7 x 30
Material	Tinned Copper

### Outer Jacket

Material	PVC or LSZH
Nom. Jacket Thickness	0.025"
Nom. Overall Diameter	0.175"

## Electrical Characteristics

Nom. Characteristics Impedance	64 $\Omega$
Nom. Inductance	0.2 $\mu$ H/ft
Nom. Cap. Cond. to Cond. @ 1KHz	24 pF/ft
Nom. Cap. Cond. to other Cond. & Shield @ 1KHz	47 pF/ft
Nom. Conductors DC Resistance @ 20°C	16 $\Omega$ /1000ft
Max. Operating Voltage	300V RMS
Max Recommended Current	2.9A per cond. @ 25°C

## Mechanical Characteristics

Operating Temperature Range	-20°C to 80°C
Temperature Rating	80°C
Max Pulling Tension	27 lbs
Min. Bend Radius	1.75"

## Ordering information

Part No.	Description
RCI-22F301P-14A	22 AWG 1-pair Twisted Shielded Instrument Cable, PVC Jacket, 305m
RCI-22F101P-14A	22 AWG 1-pair Twisted Shielded Instrument Cable, LSZH Jacket, 305m
RCI-22F302P-14A	22 AWG 2-pair Twisted Shielded Instrument Cable, PVC Jacket, 305m