

# 18 AWG 1-PAIR/2-PAIRS TWISTED SCREENED INSTRUMENT CABLE

## Description

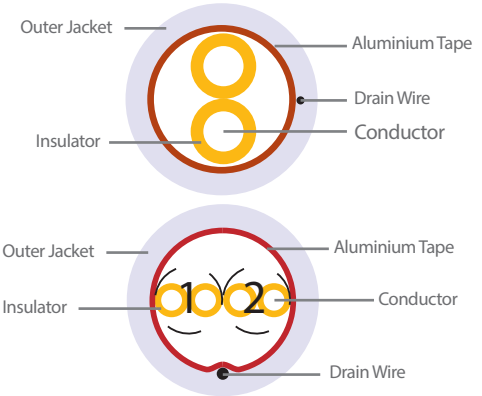
18 AWG stranded Tinned Copper Conductor cover with Polyethylene (PE) insulation. Overall screened has a coverage of 125%. A 20 AWG stranded Tinned Copper Drain Wire is located between the shield and the Outer PVC jacket.

### Application

Control and  
Instrument Wiring

### Standard

UL CM CL2  
RoHS



## Physical Specifications

Conductor	
No. of Pairs	1 or 2
Total No. of Conductors	2 or 4
AWG	18
Stranding	16 x 30
Conductor Material	Tinned Copper
Insulation	
Material	PE-Polyethylene
Nom. Thickness	0.019"
Lay Length	1.5"
Twists/ft	8
Pair Colour Code	
1	Black & White
2	Red & Black, Green & White
Outer Shield	
Material	Aluminium Foil- Polyester Tape
Coverage	125%
Outer Shield Drain Wire	
AWS	20
Stranding	7 x 28
Material	Tinned Copper

Outer Jacket	
Material	PVC
Nom. Jacket Thickness	0.028"
Nom. Overall Diameter	0.222" (1-pair) or 0.314" (2-pair)

## Electrical Characteristics

Nom. Characteristics Impedance	57 $\Omega$
Nom. Inductance	0.18 $\mu$ H/ft
Nom. Cap. Cond. to Cond. @ 1KHz	29.8 pF/ft
Nom. Cap. Cond. to other Cond. & Shield @ 1KHz	44 pF/ft
Nom. Conductors DC Resistance @ 20°C	6.5 $\Omega$ /1000ft
Max. Operating Voltage	300V RMS
Max Recommended Current	5.2A per cond. @ 25°C

## Mechanical Characteristics

Operating Temperature Range	-20°C to 80°C
Temperature Rating	80°C
Max Pulling Tension	62 lbs
Min. Bend Radius	2.25"

## Ordering information

Part No.	Description
RCI-18F301P-14A	18 AWG 1-pair Twisted Screened Instrument Cable, PVC Jacket, 305m
RCI-18F302P-14A	18 AWG 2-pairs Twisted Screened Instrument Cable, PVC Jacket, 305m

\*y = 0 - blue, 1 - orange, 2 - aqua, 3 - brown, 4 - grey, 5 - white, 6 - red, 7 - black, 8 - yellow, 9 - purple.

\*x = A, P