

16 AWG 1-PAIR TWISTED SCREENED INSTRUMENT CABLE

Description

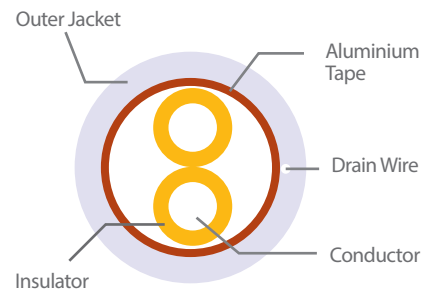
16 AWG stranded Tinned Copper Conductor cover with Polyethylene (PE) insulation. Overall screened has a coverage of 125%. A 18 AWG stranded Tinned Copper Drain Wire is located between the shield and the Outer PVC or LSZH jacket.

Application

Control and Instrument Wiring

Standard

- UL CM CL2
- RoHS
- IEC 60754-1 (LSZH)
- IEC 61034-2 (LSZH)



Physical Specifications

Conductor	
No. of Pairs	1
Total No. of Conductors	2
AWG	16
Stranding	19 x 29
Conductor Material	Tinned Copper
Insulation	
Material	PE-Polyethylene
Nom. Thickness	0.032"
Lay Length	2.75"
Twists/ft	4.4
Pair Colour Code	
1	Black & Clear
Outer Shield	
Material	Aluminium Foil-Polyester Tape
Coverage	125%
Outer Shield Drain Wire	
AWS	18
Stranding	16 x 30
Material	Tinned Copper

Outer Jacket	
Material	PVC or LSZH
Nom. Jacket Thickness	0.032"
Nom. Overall Diameter	0.313"

Electrical Characteristics

Nom. Characteristics Impedance	65 Ω
Nom. Inductance	0.2 μ H/ft
Nom. Cap. Cond. to Cond. @ 1KHz	23 pF/ft
Nom. Cap. Cond. to other Cond. & Shield @ 1KHz	44 pF/ft
Nom. Conductors DC Resistance @ 20°C	4.5 Ω /1000ft
Max. Operating Voltage	600V RMS
Max Recommended Current	7A per cond. @ 25°C

Mechanical Characteristics

Operating Temperature Range	-20°C to 80°C
Temperature Rating	80°C
Max Pulling Tension	102 lbs
Min. Bend Radius	3"

Ordering information

Part No.	Description
RCI-16F301P-1yx	16 AWG 1-pair Twisted Screened Instrument Cable, PVC Jacket, 305m
RCI-16F101P-1yx	16 AWG 1-pair Twisted Screened Instrument Cable, LSZH 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