

## 9314 Multi-Conductor - 300V Power-Limited Tray Cable

For more Information  
please call

1-800-Belden1

**General Description:**

14 AWG pairs stranded (42x30) tinned copper conductors, twisted pairs, overall Beldfoil® shield (100% coverage), PVC insulation, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 14  | 42x30     | TC - Tinned Copper |

Total Number of Conductors: 2

**Insulation****Insulation Material:**

| Insulation Material      | Wall Thickness (mm) | Dia. (mm) |
|--------------------------|---------------------|-----------|
| PVC - Polyvinyl Chloride | 0.559               | 3.023     |

**Outer Shield****Outer Shield Material:**

| Outer Shield Trade Name | Type | Outer Shield Material        | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape | 100          |

**Outer Shield Drain Wire AWG:**

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 16  | 19x29     | TC - Tinned Copper            |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.0668                   |

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 8.255 mm

**Pair****Pair Color Code Chart:**

| Number | Color       |
|--------|-------------|
| 1      | Black & Red |

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -30°C To +105°C

Bulk Cable Weight: 99.709 Kg/Km

Max. Recommended Pulling Tension: 284.685 N

Min. Bend Radius/Minor Axis: 82.550 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CL3R, ITC-ER, PLTC-ER

## 9314 Multi-Conductor - 300V Power-Limited Tray Cable

AWM Specification: UL Style 2464 (300 V 105°C)

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: UL1685 UL Loading

CSA Flame Test: FT4

IEEE Flame Test: 1202

## Suitability

Sunlight Resistance: Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

## Surface Printing (Overall)

Surface Printing: BELDEN 9314 E34972 1PR14 SHIELDED (UL) CL3R 105C OR PLTC OR ITC  
SUN RES OR AWM 2464 80C 300V- - FT4 (2 FT, 7 DIGIT SEQUENTIAL  
NUMBER) FEET

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/m)

0.59058

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

88.587

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/m)

177.174

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

8.5306

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

14.436

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc        |
|--------------|----------|-------------|--------|-------|------------------|
| 9314 060U500 | 500 FT   | 34.500 LB   | CHROME |       | 2 #14 PVC SH PVC |
| 9314 0601000 | 1,000 FT | 70.000 LB   | CHROME | C     | 2 #14 PVC SH PVC |
| 9314 0605000 | 5,000 FT | 350.000 LB  | CHROME | C Z   | 2 #14 PVC SH PVC |

Notes:

## METRIC MEASUREMENT VERSION

### 9314 Multi-Conductor - 300V Power-Limited Tray Cable

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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