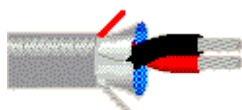


## 9312 Multi-Conductor - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1

**Description:**

12 AWG pairs stranded (65x30) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 12  | 65x30     | TC - Tinned Copper |

**Insulation**

Insulation Material:

| Insulation Material      | Dia. (in.) |
|--------------------------|------------|
| PVC - Polyvinyl Chloride | .143       |

**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 |
|-----|-----------|--------------------|--------------------|
| 14  | 19x27     | TC - Tinned Copper |                    |

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .042                      |

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 0.373 in.

**Pair**

Pair Color Code Chart:

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

**Mechanical Characteristics (Overall)**

|                                        |                 |
|----------------------------------------|-----------------|
| Operating Temperature Range:           | -30°C To +105°C |
| Bulk Cable Weight:                     | 92 lbs/1000 ft. |
| Max. Recommended Pulling Tension:      | 225 lbs.        |
| Min. Bend Radius (Install)/Minor Axis: | 3.750 in.       |

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

|                         |                 |
|-------------------------|-----------------|
| NEC/(UL) Specification: | PLTC, ITC, CL3R |
| EU CE Mark:             | Yes             |

## 9312 Multi-Conductor - 300V Power-Limited Tray Cable

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 &amp; Cable): Yes

MIL Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: UL1685 UL Loading

CSA Flame Test: FT4

IEEE Flame Test: 1202

ICEA Flame Test: T-29-520

## Suitability

Sunlight Resistance: Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/ft)

.18

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

25

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

Capacitance (pF/ft)

49

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.8

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

30

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

17 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc          |
|--------------|----------|-------------|--------|-------|--------------------|
| 9312 0601000 | 1,000 FT | 96.000 LB   | CHROME | C     | 2 #12 PVC SHLD PVC |
| 9312 060500  | 500 FT   | 49.000 LB   | CHROME | C     | 2 #12 PVC SHLD PVC |

Notes:

## 9312 Multi-Conductor - 300V Power-Limited Tray Cable

C = CRATE REEL PUT-UP.

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