



**Part Number:** 9320

300V Power-Limited Tray Cable

## Product Description

20 AWG pairs stranded (19x32) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                         | Stranding | Material           | No. of Pairs |
|-----------------------------|-----------|--------------------|--------------|
| 20                          | 19x32     | TC - Tinned Copper | 1            |
| Total Number of Conductors: |           |                    | 2            |

#### Insulation:

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.016 in               |

#### Color Chart 1:

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

#### Outersheild 1:

| Type | Material                     | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        | TC - Tinned Copper | 22            | 19x34 mm                     |

#### Outerjacket 1:

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.216 mm         | 0.037 mm               | Yes     |

#### Print Legend:

LEGEND: BELDEN 9320 E34972 1PR20 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

#### Conductor DCR:

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 9.5 Ohm/km            | 17.75 Ohm/km             |

#### Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|---|--------------------------------------|
| 52 pF/m                                 | 97 pF/m                              |

#### Inductance:

| Nominal Inductance |
|--------------------|
| 0.19 µH/m          |

#### Voltage:

| UL Voltage Rating |
|-------------------|
| 300V RMS (PLTC    |
| CMG)              |
| 150V RMS (ITC)    |

## Use

|                                    |        |
|------------------------------------|--------|
| Suitability - Indoor:              | Yes    |
| Suitability - Outdoor:             | Yes    |
| Suitability - Sunlight Resistance: | Yes    |
| Max Recommended Pulling Tension:   | 16 lbs |

## Safety

|                     |                    |
|---------------------|--------------------|
| C(UL) Flammability: | FT4                |
| IEEE Flammability:  | 1202               |
| UL Flammability:    | UL1685 FT4 Loading |

## Temperature Range

|                       |                 |
|-----------------------|-----------------|
| Operating Temp Range: | -30°C To +105°C |
|-----------------------|-----------------|

|                 |       |
|-----------------|-------|
| UL Temp Rating: | 105°C |
|-----------------|-------|

## Mechanical Characteristics

|                             |         |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 2.16 in |
|-----------------------------|---------|

## Part Number

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Standards

|                                   |                               |
|-----------------------------------|-------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes                           |
| CEC/C(UL) Specification:          | CMG                           |
| MII Order #39 (China RoHS):       | Yes                           |
| NEC/(UL) Specification:           | CMG^ITC^PLTC                  |
| UL AWM Style:                     | UL Style 2464 (300V 80°C)     |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                       | Yes                           |

## History

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