

## 9552 Multi-Conductor - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1



### General Description:

18 AWG pairs stranded (19x30) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2       | 18  | 19x30     | TC - Tinned Copper |

Total Number of Conductors: 4

#### Insulation

Insulation Material:

| Insulation Material      | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.432               |

Insulation Color Code Chart:

| Number | Color                      |
|--------|----------------------------|
| 1      | Black & Red and Numbered 1 |
| 2      | Black & Red and Numbered 2 |

#### 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 |
|-----|-----------|-------------------------------|
| 18  | 7x26      | 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: 9.347 mm

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 87.804 Kg/Km

Max. Recommended Pulling Tension: 231.306 N

Min. Bend Radius/Minor Axis: 93.980 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

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|                                       |                            |
|---------------------------------------|----------------------------|
| CEC/C(UL) Specification:              | CMG                        |
| AWM Specification:                    | UL Style 2464 (300 V 80°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

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Burial:  | Yes |
| Sunlight Resistance:   | Yes |

### Plenum/Non-Plenum

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

### Surface Printing (Overall)

|                   |   |
|-------------------|---|
| Surface Printing: | LEGEND: BELDEN 9552 E34972 2PR 18 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) |
|-------------------|---|

### Electrical Characteristics (Overall)

#### Nom. Inductance:

|                   |         |
|-------------------|---------|
| Inductance (µH/m) | 0.55777 |
|-------------------|---------|

#### Nom. Capacitance Conductor to Shield:

|                    |         |
|--------------------|---------|
| Capacitance (pF/m) | 177.174 |
|--------------------|---------|

#### Nom. Capacitance Conductor to Conductor:

|                    |         |
|--------------------|---------|
| Capacitance (pF/m) | 114.835 |
|--------------------|---------|

#### Nom. Conductor DC Resistance:

|                     |        |
|---------------------|--------|
| DCR @ 20°C (Ohm/km) | 19.227 |
|---------------------|--------|

#### Nominal Outer Shield DC Resistance:

|                     |        |
|---------------------|--------|
| DCR @ 20°C (Ohm/km) | 19.227 |
|---------------------|--------|

#### Max. Operating Voltage - UL:

| Voltage   | Description |
|-----------|-------------|
| 300 V RMS | PLTC, CMG   |
| 150 V RMS | ITC         |

### Put Ups and Colors:

## 9552 Multi-Conductor - 300V Power-Limited Tray Cable

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc           |
|--------------|----------|-------------|--------|-------|---------------------|
| 9552 0601000 | 1,000 FT | 70.000 LB   | CHROME | C     | 2 PR #18 PVC SH PVC |
| 9552 060500  | 500 FT   | 36.000 LB   | CHROME | C     | 2 PR #18 PVC SH PVC |
| 9552 0605000 | 5,000 FT | 380.000 LB  | CHROME | Z     | 2 PR #18 PVC SH PVC |

**Notes:**

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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