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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 |
|---------|-----|-----------|--------------------|
| 15      | 18  | 19x30     | TC - Tinned Copper |

Total Number of Conductors: 30

#### Insulation

Insulation Material:

| Insulation Material      |
|--------------------------|
| PVC - Polyvinyl Chloride |

#### 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 | 1.829                    |

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 18.771 mm

#### Pair

Pair Color Code Chart:

| Number | Color                       |
|--------|-----------------------------|
| 1      | Black & Red and Numbered 1  |
| 2      | Black & Red and Numbered 2  |
| 3      | Black & Red and Numbered 3  |
| 4      | Black & Red and Numbered 4  |
| 5      | Black & Red and Numbered 5  |
| 6      | Black & Red and Numbered 6  |
| 7      | Black & Red and Numbered 7  |
| 8      | Black & Red and Numbered 8  |
| 9      | Black & Red and Numbered 9  |
| 10     | Black & Red and Numbered 10 |
| 11     | Black & Red and Numbered 11 |
| 12     | Black & Red and Numbered 12 |
| 13     | Black & Red and Numbered 13 |
| 14     | Black & Red and Numbered 14 |
| 15     | Black & Red and Numbered 15 |

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 441.995 Kg/Km

Max. Recommended Pulling Tension: 2846.848 N

## 9565 Multi-Conductor - 300V Power-Limited Tray Cable

|                              |            |
|------------------------------|------------|
| Min. Bend Radius/Minor Axis: | 190.500 mm |
|------------------------------|------------|

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                       |                      |
|---------------------------------------|----------------------|
| NEC(UL) Specification:                | CMG, ITC-ER, PLTC-ER |
| CEC/C(UL) Specification:              | CMG                  |
| 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 FT4 Loading |
| C(UL) 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)

### 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)

19.5548

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

29.529

#### Max. Operating Voltage - UL:

Voltage

300 V RMS (PLTC)

CMG)

150 V RMS (ITC)

#### Max. Recommended Current:

Current

4.5 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc            |
|--------------|----------|-------------|--------|-------|----------------------|
| 9565 0601000 | 1,000 FT | 347.000 LB  | CHROME | C     | 15 PR #18 PVC SH PVC |

## METRIC MEASUREMENT VERSION

### 9565 Multi-Conductor - 300V Power-Limited Tray Cable

|             |        |            |        |   |                      |
|-------------|--------|------------|--------|---|----------------------|
| 9565 060500 | 500 FT | 180.500 LB | CHROME | C | 15 PR #18 PVC SH PVC |
|-------------|--------|------------|--------|---|----------------------|

**Notes:**

C = CRATE REEL PUT-UP.

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