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please call

1-800-Belden1



### General Description:

12 AWG pairs stranded (7x20) bare copper conductors, twisted pairs, overall Beldfoil shield (100% coverage), PVC/Nylon insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 12  | 7x20      | BC - Bare Copper   |

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

| Insulation Material                  |
|--------------------------------------|
| PVC/Nylon - Polyvinyl Chloride/Nylon |

#### 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:

| Drain Wire Conductor Material |
|-------------------------------|
| TC - Tinned Copper            |

#### Outer Jacket

##### Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.2192                   |

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 9.652 mm

#### Pair

##### Pair Color Code Chart:

| Number | Color         |
|--------|---------------|
| 1      | Black & White |

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +90°C

Bulk Cable Weight: 156.261 Kg/Km

Max. Recommended Pulling Tension: 1125.390 N

Min. Bend Radius/Minor Axis: 96.520 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: NPLF, TC

|                                       |                         |
|---------------------------------------|-------------------------|
| EU Directive 2011/65/EU (ROHS II):    | 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                     |
| Other Specification:                  | ICEA S-73-532, S-61-402 |

### 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 |
|---------------|----|

## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Shield:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 347.786            |

### Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 183.736            |

### Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 5.41365             |

### Nominal Outer Shield DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 5.11836             |

### Max. Operating Voltage - UL:

|                         |
|-------------------------|
| Voltage                 |
| 600 V RMS (NEC Type TC) |
| 150 V RMS (NPLF)        |

### Max. Recommended Current:

|                              |
|------------------------------|
| Current                      |
| 31 Amps per conductor @ 25°C |

## Notes (Overall)

**Notes:** Alternate color coding available upon request.

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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