

## 3016A Multi-Conductor - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1

**Description:**

20 AWG pairs stranded (7x28) bare copper conductors, twisted pairs, PVC insulation, overall Beldfoil shield (100% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Conductors | # Pairs | AWG | Stranding | Conductor Material |
|--------------|---------|-----|-----------|--------------------|
|              | 2       | 20  | 7x28      | BC - Bare Copper   |
| 1            |         | 22  | 7x30      | BC - Bare Copper   |

**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 |
|-----|-----------|-------------------------------|
| 20  | 7x28      | 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 Cabling Lay Length & Direction:**

| Direction     |
|---------------|
| Left-hand Lay |

**Overall Nominal Diameter:**

0.332 in.

**Pair****Pair Color Code Chart:**

| Number             | Color                        |
|--------------------|------------------------------|
| 1                  | Black & White and Numbered 1 |
| 2                  | Black & White and Numbered 2 |
| Communication Wire | Orange                       |

**Mechanical Characteristics (Overall)**

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

**UL Temperature Rating:** 105°C

**Bulk Cable Weight:** 60 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 92 lbs.

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|                                        |           |
|----------------------------------------|-----------|
| Min. Bend Radius (Install)/Minor Axis: | 3.750 in. |
|----------------------------------------|-----------|

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |                |
|---------------------------------------|----------------|
| NEC/(UL) Specification:               | PLTC, ITC, CMG |
| CEC/C(UL) Specification:              | CMG            |
| 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               |
| ICEA Flame Test:  | T-29-520           |

## Suitability

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

## Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

## Nom. Conductor DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 9.5                      |

## Nominal Outer Shield DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 11                       |

## Max. Operating Voltage - UL:

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

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

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

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Revision Number: 1    Revision Date: 04-11-2008

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