

## 3020A Triad - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1

**Description:**

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

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Conductors | # Triads | AWG | Stranding | Conductor Material |
|--------------|----------|-----|-----------|--------------------|
| 1            | 4        | 20  | 7x28      | BC - Bare Copper   |

**Insulation**

Insulation Material:

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

**Communication Wire**

|                               |                  |
|-------------------------------|------------------|
| Communication Wire AWG:       | 22               |
| Communication Wire Material:  | BC - Bare Copper |
| Communication Wire Stranding: | 7x30             |

**Inner Shield**

Inner Shield Color Code Chart:

| Number             | Color                              |
|--------------------|------------------------------------|
| 1                  | Black & White & Red and Numbered 1 |
| 2                  | Black & White & Red and Numbered 2 |
| 3                  | Black & White & Red and Numbered 3 |
| 4                  | Black & White & Red and Numbered 4 |
| Communication Wire | Orange                             |

**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 | .055                      |

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 0.470 in.

**Mechanical Characteristics (Overall)**

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

UL Temperature Rating: 105°C

## 3020A Triad - 300V Power-Limited Tray Cable

|                                        |                  |
|----------------------------------------|------------------|
| Bulk Cable Weight:                     | 116 lbs/1000 ft. |
| Max. Recommended Pulling Tension:      | 174 lbs.         |
| Min. Bend Radius (Install)/Minor Axis: | 4.750 in.        |

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |                |
|---------------------------------------|----------------|
| NEC/(UL) Specification:               | PLTC, ITC, CMG |
| CEC/C(UL) Specification:              | CMG            |
| EU 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)

9.3

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

7.5

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## 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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