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1-800-Belden1



### General Description:

12 AWG multi-conductor stranded (7x20) bare copper conductors, PVC/Nylon insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4            | 12  | 7x20      | BC - Bare Copper   |

Total Number of Conductors: 4

#### Ground Wire

Ground Wire (Y/N): N

#### Insulation

Insulation Material:

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

#### Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.047                     |

#### Overall Cable

Overall Cabling Color Code Chart:

| Number | Color  |
|--------|--------|
| 1      | Black  |
| 2      | Red    |
| 3      | Blue   |
| 4      | Orange |

Overall Nominal Diameter: 0.417 in.

### Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 153 lbs/1000 ft.

Max. Recommended Pulling Tension: 243 lbs.

Min. Bend Radius/Minor Axis: 4.100 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: NPLF, TC, THHN/THWN Singles

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

## 27111A Multi-Conductor - 600V Type TC Cable

|                             |                                   |
|-----------------------------|-----------------------------------|
| Mil Order #39 (China RoHS): | Yes                               |
| Other Specification:        | ICEA S-73-532, S-95-658, S-61-402 |

### Flame Test

|                  |                   |
|------------------|-------------------|
| UL Flame Test:   | UL1685 UL Loading |
| CSA Flame Test:  | FT4               |
| IEEE Flame Test: | 1202              |

### Plenum/Non-Plenum

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

### Electrical Characteristics (Overall)

#### Nom. Conductor DC Resistance:

##### DCR @ 20°C (Ohm/1000 ft)

1.65

#### Max. Operating Voltage - UL:

##### Voltage

600 V RMS

#### Max. Recommended Current:

##### Current

24 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #          | Putup     | Ship Weight  | Color | Notes | Item Desc               |
|-----------------|-----------|--------------|-------|-------|-------------------------|
| 27111A 0101000  | 1,000 FT  | 142.000 LB   | BLACK | C     | 4 #12 PVC/NYL PVC CABLE |
| 27111A 01010000 | 10,000 FT | 1,400.000 LB | BLACK | C     | 4 #12 PVC/NYL PVC       |

#### Notes:

C = CRATE REEL PUT-UP.

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