

## 27135A Multi-Conductor - 600V Type TC Cable

For more Information  
please call

1-800-Belden1



### 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 |
|--------------|-----|-----------|--------------------|
| 28           | 12  | 7x20      | BC - Bare Copper   |

#### 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 | .080                      |

### Overall Cable

Overall Cabling Color Code Chart:

| Number | Color        |
|--------|--------------|
| 1      | Black        |
| 2      | Red          |
| 3      | Blue         |
| 4      | Orange       |
| 5      | Yellow       |
| 6      | Brown        |
| 7      | Red/Black    |
| 8      | Blue/Black   |
| 9      | Orange/Black |
| 10     | Yellow/Black |
| 11     | Brown/Black  |
| 12     | Black/Red    |
| 13     | Blue/Red     |
| 14     | Orange/Red   |
| 15     | Yellow/Red   |
| 16     | Brown/Red    |
| 17     | Black/Blue   |
| 18     | Red/Blue     |
| 19     | Orange/Blue  |
| 20     | Yellow/Blue  |
| 21     | Brown/Blue   |

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|    |               |
|----|---------------|
| 22 | Black/Orange  |
| 23 | Red/Orange    |
| 24 | Blue/Orange   |
| 25 | Yellow/Orange |
| 26 | Brown/Orange  |
| 27 | Black/Yellow  |
| 28 | Red/Yellow    |

Overall Nominal Diameter: 0.990 in.

## Mechanical Characteristics (Overall)

|                                        |                    |
|----------------------------------------|--------------------|
| Wet Temperature Range:                 | -30°C To +75°C     |
| Dry Temperature Range:                 | -30°C To +90°C Dry |
| Max. Recommended Pulling Tension:      | 1701 lbs.          |
| Min. Bend Radius (Install)/Minor Axis: | 9.900 in.          |

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| NEC/(UL) Specification:               | TC, NPLF                          |
| 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-95-658, S-61-402 |

## Flame Test

|                  |                   |
|------------------|-------------------|
| UL Flame Test:   | UL1685 UL Loading |
| CSA Flame Test:  | FT4               |
| IEEE Flame Test: | 1202              |
| ICEA Flame Test: | T-29-520          |

## 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

## 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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