

28156A Multi-Conductor - 600V Type TC-ER Cable

For more Information
please call

1-800-Belden1

**General Description:**

4 AWG multi-conductor stranded (7x12) bare copper conductors, 8 AWG bare copper ground wire, PVC/Nylon insulation, PVC jacket.

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

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 3 | 4 | 7x12 | BC - Bare Copper |

Total Number of Conductors: 3

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 8

Ground Wire Stranding: 7x16

Ground Wire Conductor Material: BC - Bare Copper

Ground Wire Insulation Material: Uninsulated

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 (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.600 |

Outer Jacket Ripcord: Yes

Overall Cable**Overall Cabling Color Code Chart:**

| Number | Color |
|--------|----------------------|
| 1 | Black and Numbered 1 |
| 2 | Black and Numbered 2 |
| 3 | Black and Numbered 3 |

Overall Nominal Diameter: 20.879 mm

Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 937.566 Kg/Km

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| | |
|-----------------------------------|------------|
| Max. Recommended Pulling Tension: | 4457.096 N |
|-----------------------------------|------------|

| | |
|------------------------------|-----------|
| Min. Bend Radius/Minor Axis: | 83.820 mm |
|------------------------------|-----------|

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|-------------------------|--------------------------|
| NEC/(UL) Specification: | TC-ER, 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 |
|-----------------------------------|-----|

| | |
|-----------------------------|-----|
| MII Order #39 (China RoHS): | Yes |
|-----------------------------|-----|

| | |
|----------------------|--------------------|
| Other Specification: | S-95-658, S-61-402 |
|----------------------|--------------------|

Flame Test

| | |
|----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
|----------------|-------------------|

| | |
|-----------------|-----|
| CSA Flame Test: | FT4 |
|-----------------|-----|

| | |
|------------------|------|
| IEEE Flame Test: | 1202 |
|------------------|------|

Suitability

| | |
|-----------------------|-----|
| Suitability - Burial: | Yes |
|-----------------------|-----|

| | |
|----------------------|-----|
| Sunlight Resistance: | Yes |
|----------------------|-----|

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

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

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|---------|
| 0.85306 |
|---------|

Max. Operating Voltage - UL:

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|---------|
| Voltage |
|---------|

| |
|-----------|
| 600 V RMS |
|-----------|

Max. Recommended Current:

| |
|---------|
| Current |
|---------|

| |
|------------------------------|
| 95 Amps per conductor @ 30°C |
|------------------------------|

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|-----------|--------------|-------|-------|---------------------------|
| 28156A 01010000 | 10,000 FT | 6,750.000 LB | BLACK | C Z | 3 #4 PVC/NYL + #8 GRD PVC |
| 28156A 01050000 | 5,000 FT | 3,305.000 LB | BLACK | | 3 #4 PVC/NYL + #8 GRD PVC |

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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