

27083A Multi-Conductor - 600V Type TC Cable

For more Information
please call

1-800-Belden1



Description:

14 AWG multi-conductor stranded (7x22) bare copper conductors, PVC/Nylon insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 5 | 14 | 7x22 | BC - Bare Copper |

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 | .045 |

Overall Cable

Overall Cabling Lay Length & Direction:

| Length (in.) | Twists (twist/ft) |
|--------------|-------------------|
| 4.5 | 2.7 |

Overall Cabling Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Black |
| 2 | Red |
| 3 | Blue |
| 4 | Orange |
| 5 | Yellow |

Overall Nominal Diameter: 0.400 in.

Mechanical Characteristics (Overall)

| | |
|--|------------------|
| Wet Temperature Range: | -30°C To +75°C |
| Dry Temperature Range: | -30°C To +90°C |
| Bulk Cable Weight: | 118 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 218 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 4 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: TC, NPLF

27083A Multi-Conductor - 600V Type TC Cable

| | |
|---------------------------------------|-----------------------------------|
| 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 |
| Other Specification: | ICEA S-73-532, S-95-658, S-61-402 |

Flame Test

| | |
|-------------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
| C(UL) Flame Test: | FT4 |
| IEEE Flame Test: | 1202 |
| ICEA Flame Test: | T-29-520 |

Suitability

| | |
|-----------------------|-----|
| 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) |
|--------------------------|
| 2.6 |

Max. Operating Voltage - UL:

| Voltage | Description |
|-----------|-------------|
| 150 V RMS | NPLF |
| 600 V RMS | TC |

Max. Recommended Current:

| Current |
|---------|
| 12 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|-----------|--------------|-------|-------|-------------------|
| 27083A 01010000 | 10,000 FT | 1,360.000 LB | BLACK | C Z | 5 #14 PVC/NYL PVC |
| 27083A 0105000 | 5,000 FT | 660.000 LB | BLACK | C Z | 5 #14 PVC/NYL 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.

Revision Number: 1 Revision Date: 05-14-2007

© 2012 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

27083A Multi-Conductor - 600V Type TC Cable

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.