

## 27883 Multi-Conductor - 600V Teck-Style® Cables



For more Information  
please call

1-800-Belden1

**Description:**

10 AWG stranded (7x18) bare copper conductors, 10 AWG bare copper ground wire, cross-linked polyethylene insulation, PVC inner jacket, aluminum armor, PVC outer jacket.

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

# Conductors	AWG	Stranding	Conductor Material
25	10	7x18	BC - Bare Copper

**Ground Wire**

Ground Wire (Y/N):	Y
Ground Wire AWG:	10
Ground Wire Stranding:	7x18
Ground Wire Conductor Material:	BC - Bare Copper

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (in.)
XLPE - Cross Linked Polyethylene	.030

**Inner Jacket****Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	1.12

**Outer Shield****Outer Shield Material:**

Outer Shield Material
Unshielded

**Outer Jacket**

Outer Jacket over Armor (y/n):	Y
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**Outer Jacket over Armor**

Outer Jacket Material over Armor (y/n):	PVC
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**Armor**

Armor Type:	Interlocked
Armor Material:	Aluminum
Diameter over Armor:	1.44

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

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

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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
22	Black/Orange
23	Red/Orange
24	Blue/Orange
25	Yellow/Orange

**Overall Nominal Diameter:** 1.580 in.

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-40°C To +90°C
<b>Wet Temperature Range:</b>	-40°C To +90°C
<b>Dry Temperature Range:</b>	-40°C To +90°C
<b>Bulk Cable Weight:</b>	1568 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	1990 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	19 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	MC, XHHW-2 Singles, UL1569, UL1277
<b>CSA Specification:</b>	C22.2#131, HAZ LOC, C22.2#0.3 Clause 4.31 Low Acid Test
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	10/13/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	VW-1 Singles, UL1685 UL Loading
<b>CSA Flame Test:</b>	FT4
<b>IEEE Flame Test:</b>	IEEE 1202
<b>ICEA Flame Test:</b>	ICEA T-29-520

#### Suitability

<b>Suitability - Burial:</b>	Yes
<b>Sunlight Resistance:</b>	Yes

#### Plenum/Non-Plenum

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Plenum (Y/N):

No

## Electrical Characteristics (Overall)

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.02

## Max. Operating Voltage - UL:

Voltage

600 V RMS

## Max. Recommended Current:

Current

13.5 Amps per conductor @ 30°C

## 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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