

27891 Multi-Conductor - 600V Teck-Style® Cables



For more Information
please call

1-800-Belden1

**Description:**

Composite 14 AWG (7x22) and 10 AWG (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
3	14	7x22	BC - Bare Copper
3	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.)	AWG
XLPE - Cross Linked Polyethylene	.030	14
XLPE - Cross Linked Polyethylene	.030	10

Inner Jacket**Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.610

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:	.80

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

Number	Color
1	14 AWG Black
2	14 AWG Red
3	14 AWG Blue

4	10 AWG Black
5	10 AWG Red
6	10 AWG Blue

Overall Nominal Diameter: 0.910 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +90°C
Wet Temperature Range:	-40°C To +90°C
Dry Temperature Range:	-40°C To +90°C
Bulk Cable Weight:	435 lbs/1000 ft.
Max. Recommended Pulling Tension:	305 lbs.
Min. Bend Radius (Install)/Minor Axis:	10.900 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	MC, XHHW-2 Singles, UL1569, UL1277
CSA Specification:	C22.2#131, HAZ LOC, C22.2#0.3 Clause 4.31 Low Acid Test
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/13/2005
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

Flame Test

UL Flame Test:	VW-1 (Singles), UL1685 UL Loading
CSA Flame Test:	FT4
IEEE Flame Test:	IEEE 1202
ICEA Flame Test:	ICEA T-29-520

Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
14 AWG	2.6
10 AWG	1.02

Max. Operating Voltage - UL:

Voltage
600 V RMS

Max. Recommended Current:

Current
12 Amps per conductor @ 25°C (14 AWG); 24 Amps per conductor @ 25°C (10 AWG)

Related Documents:

27891 Multi-Conductor - 600V Teck-Style® Cables

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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