

27431 Multi-Conductor - 600V Type MC Metal Clad Cable



For more Information
please call

1-800-Belden1

**Description:**

Composite 14 AWG (7x22) and 6 AWG (7x14) stranded bare copper conductors, 8 AWG bare copper ground wire, cross-linked polyethylene insulation, aluminum interlocked armor, PVC jacket.

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

# Conductors	AWG	Stranding	Conductor Material
3	14	7x22	BC - Bare Copper
3	6	7x14	BC - Bare Copper

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	8
Ground Wire Stranding:	7x16
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	.045	6

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.050

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

Armor Type:	Interlocked
Armor Material:	Aluminum
Diameter over Armor:	.89

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

Number	Color
1	6 AWG Black #1
2	6 AWG Black #2
3	6 AWG Black #3
4	14 AWG Black
5	14 AWG Red
6	14 AWG Blue

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Overall Nominal Diameter:	1.010 in.
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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:	705 lbs/1000 ft.
Max. Recommended Pulling Tension:	655 lbs.
Min. Bend Radius (Install)/Minor Axis:	12 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	MC, HHW-2 Singles, UL1569
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:	UL1685 UL Loading
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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)	
6 AWG	.41
14 AWG	2.6

Max. Operating Voltage - UL:

Voltage
600 V RMS

Max. Recommended Current:

Current
60 Amps per conductor @ 25°C (6 AWG); 12 Amps per conductor @ 25°C (14 AWG)

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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