

27248 Multi-Conductor - 600V Type MC Metal Clad Cable

For more Information
please call

1-800-Belden1



General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors: 7

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 14

Ground Wire Stranding: 7x22

Ground Wire Conductor Material: BC - Bare Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
XLPE - Cross Linked Polyethylene	0.762

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket over Armor (y/n): Y

Outer Jacket over Armor

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

Outer Jacket Wall Thickness Over Armor: .050

Armor

Armor Type: Interlocked

Armor Material: Aluminum

Diameter over Armor: .62

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown
7	Red/Black

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Overall Nominal Diameter: 18.288 mm

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:	415.208 Kg/Km
Max. Recommended Pulling Tension:	1000.850 N
Min. Bend Radius/Minor Axis:	226.060 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	MC, XHHW-2 Singles, UL1569
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):	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:

DCR @ 20°C (Ohm/km)
8.5306

Max. Operating Voltage - UL:

Voltage
600 V RMS

Max. Recommended Current:

Current
10.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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