

## 27254 Multi-Conductor - 600V Type MC Metal Clad Cable

For more Information  
please call

1-800-Belden1



### General Description:

12 AWG stranded (7x20) bare copper conductors, 12 AWG bare copper ground wire, cross-linked polyethylene insulation, aluminum interlocked armor, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
2	12	7x20	BC - Bare Copper

Total Number of Conductors: 2

#### Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 12

Ground Wire Stranding: 7x20

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: .52

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 15.748 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +90°C

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Wet Temperature Range:	-40°C To +90°C
Dry Temperature Range:	-40°C To +90°C
Bulk Cable Weight:	285.734 Kg/Km
Max. Recommended Pulling Tension:	462.613 N
Min. Bend Radius/Minor Axis:	198.120 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)	5.41365
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#### Max. Operating Voltage - UL:

Voltage	600 V RMS
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#### Max. Recommended Current:

Current	20 Amps per conductor @ 25°C
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### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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