

## 27255 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, e cross-linked polyethylene insulation, aluminum interlocked armor, PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	12	7x20	BC - Bare Copper

Total Number of Conductors: 3

**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 Wall Thickness Over Armor: .050

**Armor**

Armor Type: Interlocked

Armor Material: Aluminum

Diameter over Armor: .592

**Overall Cable**

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue

Overall Nominal Diameter: 17.729 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:	333.357 Kg/Km
Max. Recommended Pulling Tension:	693.919 N
Min. Bend Radius/Minor Axis:	213.360 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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

## Max. Operating Voltage - UL:

Voltage
600 V RMS

## Max. Recommended Current:

Current
20 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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