



**Part Number: 27257**

600V Metal Clad, (2) 10 AWG (7x18) BC+Grd, XLPE/PVC, Alum Armor, MC

## Product Description

Two 10 AWG stranded (7x18) bare copper conductors plus ground wire, cross-linked polyethylene insulation, aluminum interlocked armor, PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

Element	AWG	Stranding	Material	No. of Conductors
	10	7x18	BC - Bare Copper	2
Ground Wire	10	7x18	BC - Bare Copper	1

Conductor Count: 3

#### Insulation

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.03 in
Uninsulated	

#### Color Chart

Number	Color
1	Black
2	Red

#### Outer Shield Material

Material
Unshielded

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.723 in	0.053 in

### Construction and Dimensions

#### Stranding

Lay Length
PVC mm

#### Armor

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	0.617 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
1.02 Ohm/1000ft

## Current

### Max. Recommended Current [A]

30 Amps per conductor @ 25°C

## Voltage

### UL Voltage Rating

600V RMS

## Temperature Range

UL Temp Rating:	90°C
Operating Temp Range:	-40°C To +90°C
Wet Temp Range:	-40°C To +90 °C
Dry Temp Range:	-40°C To +90 °C

## Mechanical Characteristics

Bulk Cable Weight:	242 lbs/1000ft
Max Recommended Pulling Tension:	166 lbs
Min Bend Radius/Minor Axis:	8.4 in

## Standards

NEC/(UL) Specification:	MC, XHHW-2
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## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-13
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
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## Part Number

Plenum (Y/N):	No
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