



**Product:** [27286](#)

MC XLPE/PVC, 12+G C #10+10 Str BC, XLPE Ins E2, AIA Armor, Blk PVC Jkt, 600V MC 90C Dry/Wet SUN RES DIR BUR CT USE

**Product Description**

UL Type MC (1569) XLPE/PVC, 12+G Conductor 10+10AWG (7x18) Bare Copper, XLPE Insulation E2 Color Code, Aluminum Interlock Armor, Black PVC Outer Jacket, 600V MC 90C Dry/Wet SUN RES DIR BUR CT USE

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
10	7x18	BC - Bare Copper	12
10		BC - Bare Copper	1

Conductor Count:	12
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**Insulation**

Material	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.03 in
No Insulation	

**Color Chart**

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown
7	Red/Black
8	Blue/Black
9	Orange/Black
10	Yellow/Black
11	Brown/Black
12	Black/Red

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	1.101 in	0.055 in

**Construction and Dimensions**

**Armor**

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.991 in

**Electrical Characteristics**

**Conductor DCR**

<b>Nominal Conductor DCR</b>
1.02 Ohm/1000ft

#### Current

<b>Max. Recommended Current [A]</b>
15 Amps per Conductor at 25°C

#### Voltage

<b>UL Voltage Rating</b>
600 V 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:	803 lbs/1000ft
Max. Pull Tension:	960 lbs
Min Bend Radius/Minor Axis:	13.7 in

### Standards

NEC/(UL) Compliance:	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
MII Order #39 (China RoHS):	Yes

### Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

### Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	600 V RMS

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Part Number

#### Variants

Item #	Putup Type	UPC
27286 0105000	Reel	612825328735
27286 0105000	Reel	612825328735
27286 0102500	Reel	

### History

Update and Revision:	Revision Number: 0.176 Revision Date: 02-16-2021
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