



Product: [27248](#)

MC XLPE/PVC, 7+G C #14+14 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, 7+G Conductor 14+14AWG (7x22) 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
14	7x22	BC - Bare Copper	7
14		BC - Bare Copper	1

Conductor Count:	7
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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

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.771 in	0.053 in

Construction and Dimensions

Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.665 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
2.6 Ohm/1000ft

Current

Max. Recommended Current [A]

10.5 Amps per Conductor at 25°C

Voltage

UL Voltage Rating

600 V RMS

Temperature Range

UL Temp Rating:	90°C Dry, 90°C Wet
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:	279 lbs/1000ft
Max. Pull Tension:	225 lbs
Min Bend Radius/Minor Axis:	8.9 in

Standards

NEC/(UL) Compliance:	MC, XHHW-2, UL1569
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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, LSOH, 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
27248 0105000	Reel	612825328261
27248 0105000	Reel	612825328261

History

Update and Revision:	Revision Number: 0.185 Revision Date: 06-24-2020
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