

Product: 27262

MC XLPE/PVC, 3+G C #6+8 Str BC, XLPE Ins M4, AIA Armor, Blk PVC Jkt, 600V MC 90C Dry/Wet SUN RES DIR BUR CT USE

Product Description

UL Type MC (1569) XLPE/PVC, 3+G Conductor 6+8AWG (7x14+7x16) Bare Copper, XLPE Insulation M4 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
6	7x14	BC - Bare Copper	3
8		BC - Bare Copper	1

Conductor Count:	3

Insulation

Material	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.045 in
No Insulation	

Color Chart

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.956 in	0.053 in

Construction and Dimensions

Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.85 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
0.41 Ohm/1000ft

Current

Max. Recommended Current [A]
75 Amps per Conductor at 25ºC

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:	543 lbs/1000ft
Max. Pull Tension:	630 lbs
Min Bend Radius/Minor Axis:	11.2 in

Standards

NEC/(UL) Compliance:	MC, XHHW-2 Singles
UL AWM Style Compliance:	UL1569

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:	VW-1 Singles, UL1685 UL Loading
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Putup Type	UPC
27262 0105000	Reel	612825133421
27262 0105000	Reel	612825133421

History

Update and Revision:	Revision Number: 0.179 Revision Date: 06-24-2020

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