




**Product:** [27264](#) 

MC XLPE/PVC, 3+G C #4+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 4+8AWG (7x12+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
4	7x12	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 #1
2	Black #2
3	Black #3

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	1.087 in	0.053 in

### Construction and Dimensions

#### Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.981 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
0.26 Ohm/1000ft

#### Current

Max. Recommended Current [A]
95 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating

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:	790 lbs/1000ft
Max. Pull Tension:	1002 lbs
Min Bend Radius/Minor Axis:	13.1 in

## Standards

NEC/(UL) Compliance:	MC, XHHW-2
----------------------	------------

## 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
---------------	----

## Part Number

### Variants

Item #	Putup Type	UPC
27264 0105000	Reel	612825133438
27264 0105000	Reel	612825133438

## History

Update and Revision:	Revision Number: 0.184 Revision Date: 02-16-2021
----------------------	--

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.