

## 27250 Multi-Conductor - 600V Type MC Metal Clad Cable



For more Information  
please call

1-800-Belden1



### Description:

14 AWG stranded (7x22) bare copper conductors, 14 AWG bare copper ground wire, cross-linked polyethylene insulation, aluminum interlocked armor, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
12	14	7x22	BC - Bare Copper

Total Number of Conductors: 12

#### Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 14

Ground Wire Stranding: 7x22

Ground Wire Conductor Material: BC - Bare Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
XLPE - Cross Linked Polyethylene	0.762

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket over Armor (y/n): Y

#### Outer Jacket over Armor

Outer Jacket Material over Armor (y/n): PVC

Outer Jacket Wall Thickness Over Armor: .050

#### Armor

Armor Type: Interlocked

Armor Material: Aluminum

Diameter over Armor: .77

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown
7	Red/Black

## 27250 Multi-Conductor - 600V Type MC Metal Clad Cable

8	Blue/Black
9	Orange/Black
10	Yellow/Black
11	Brown/Black
12	Black/Red

**Overall Nominal Diameter:** 22.098 mm

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-40°C To +90°C
<b>Wet Temperature Range:</b>	-40°C To +90°C
<b>Dry Temperature Range:</b>	-40°C To +90°C
<b>Bulk Cable Weight:</b>	602.721 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	1725.900 N
<b>Min. Bend Radius/Minor Axis:</b>	274.320 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	MC, XHHW-2 Singles, UL1569
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	10/13/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading
-----------------------	-------------------

#### Suitability

<b>Suitability - Burial:</b>	Yes
<b>Sunlight Resistance:</b>	Yes

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
----------------------	----

### Electrical Characteristics (Overall)

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
8.5306

#### Max. Operating Voltage - UL:

<b>Voltage</b>
600 V RMS

#### Max. Recommended Current:

<b>Current</b>
7.5 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------

## 27250 Multi-Conductor - 600V Type MC Metal Clad Cable

Revision Number: 1    Revision Date: 05-14-2007

© 2012 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.