



Part Number: 27251

600V Metal Clad, (15) 14 AWG (7x22) BC+Grd, XLPE/PVC, Alum Armor, MC

Product Description

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

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	14	7x22	BC - Bare Copper	15
Ground Wire	14	7x22	BC - Bare Copper	
Total Number of Conductors:				15

Insulation:

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.03 in

Color Chart 1:

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
13	Blue/Red
14	Orange/Red
15	Yellow/Red

Stranding:

Lay Length
PVC mm

Outershield 1:

Material
Unshielded

Outerjacket 1:

Nominal Diameter	Nominal Wall Thickness
0.98 in	0.05 mm

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	0.87 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
2.6 Ohm/1000ft

Current:

Max. Recommended Current [A]

7.5 Amps per conductor @ 25°C

Voltage:

UL Voltage Rating

600 V RMS

Use

Suitability - Burial:

Yes

Suitability - Sunlight Resistance:

Yes

Max Recommended Pulling Tension:

481 lbs

Safety

UL Flammability:

UL1685 UL Loading

Temperature Range

Dry Temp Range:

-40°C To +90 °C

Operating Temp Range:

-40°C To +90°C

Wet Temp Range:

-40°C To +90°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:

11.6 in

Part Number

Plenum (Y/N):

No

Standards

CA Prop 65 (CJ for Wire & Cable):

CA Prop 65 (CJ for Wire & Cable)

MII Order #39 (China RoHS):

MII Order #39 (China RoHS)

NEC/(UL) Specification:

NEC/(UL) Specification

EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

History

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