



Part Number: 27270

600V Metal Clad, (25) 14 AWG (7x22) BC+Grd, XLPE/PVC, Alum Armor, MC

Product Description

Twenty-five 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	25
Ground Wire	14	7x22	BC - Bare Copper	
Total Number of Conductors:				25

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
16	Brown/Red
17	Black/Blue
18	Red/Blue
19	Orange/Blue
20	Yellow/Blue
21	Brown/Blue
22	Black/Orange
23	Red/Orange
24	Blue/Orange
25	Yellow/Orange

Stranding:

Lay Length

PVC mm

Outershield 1:

Material

Unshielded

Outerjacket 1:

Nominal Diameter

Nominal Wall Thickness

1.21 in

0.05 mm

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	1.1 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
2.6 Ohm/1000ft

Current:

Max. Recommended Current [A]
6.75 Amps per conductor @ 25°C

Voltage:

UL Voltage Rating
600 V RMS

Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	810 lbs

Safety

UL Flammability:	UL1685 UL Loading
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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:	14.4 in
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Part Number

Plenum (Y/N):	No
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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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