



Part Number: 27245

600V Metal Clad, (4) 14 AWG (7x22) BC+Grd, XLPE/PVC, Alum Armor, MC

Product Description

Four 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	4
Ground Wire	14	7x22	BC - Bare Copper	
Total Number of Conductors:				4

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

Stranding:

Lay Length

PVC mm

Outersheild 1:

Material

Unshielded

Outerjacket 1:

Nominal Diameter

0.64 in

Nominal Wall Thickness

0.05 mm

Armor:

Type of Armor

Interlocked Armor

Material

Aluminum

Diameter over Armoring

0.54 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR

2.6 Ohm/1000ft

Current:

Max. Recommended Current [A]

12 Amps per conductor @ 25°C

Voltage:

UL Voltage Rating

600 V RMS

Use

Suitability - Burial:

Yes

Suitability - Sunlight Resistance:

Yes

Max Recommended Pulling Tension:

131 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:	7.9 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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