



Part Number: 27538

600V Metal Clad, (9) 12 AWG (7x20) BC+Grd, XLPE/PVC, Alum Armor, MC

Product Description

Nine 12 AWG stranded (7x20) 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
	12	7x20	BC - Bare Copper	9
Ground Wire	12	7x20	BC - Bare Copper	
Total Number of Conductors:				9

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

Stranding:

Lay Length
PVC mm

Outersheild 1:

Material
Unshielded

Outerjacket 1:

Nominal Diameter	Nominal Wall Thickness
0.86 in	0.05 mm

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	0.76 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
1.65 Ohm/1000ft

Current:

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

Voltage:

UL Voltage Rating
600 V RMS

Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	467 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:	10.8 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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