



**Part Number:** 27539

600V Metal Clad, (19) 12 AWG (7x20) BC+Grd, XLPE/PVC, Alum Armor, MC

## Product Description

Nineteen 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	19
Ground Wire	12	7x20	BC - Bare Copper	
<b>Total Number of Conductors:</b>				19

#### 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

**Stranding:**

Lay Length
PVC mm

**Outershield 1:**

Material
Unshielded

**Outerjacket 1:**

Nominal Diameter	Nominal Wall Thickness
1.16 in	0.055 mm

**Armor:**

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	1.05 mm

**Electrical Characteristics**

**Conductor DCR:**

Nominal Conductor DCR	
1.65 Ohm/1000ft	

## Current:

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

## Voltage:

UL Voltage Rating	
600 V RMS	

## Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	990 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 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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