



**Part Number:** 27290

600V Metal Clad, (30) 10 AWG (7x18) BC+Grd, XLPE/PVC, Alum Armor, MC

## Product Description

Thirty 10 AWG stranded (7x18) 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
	10	7x18	BC - Bare Copper	30
Ground Wire	10	7x18	BC - Bare Copper	
<b>Total Number of Conductors:</b>				30

#### 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
26	Brown/Orange
27	Black/Yellow
28	Red/Yellow
29	Blue/Yellow
30	Orange/Yellow

**Stranding:**

Lay Length
PVC mm

**Outershield 1:**

Material
Unshielded

**Outerjacket 1:**

Nominal Diameter	Nominal Wall Thickness
1.55 in	0.055 mm

**Armor:**

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	1.42 mm

**Electrical Characteristics**

**Conductor DCR:**

Nominal Conductor DCR
1.02 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:	2355 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:	18.6 in
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**Part Number**

<b>Plenum (Y/N):</b>	No
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## Standards

<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	CA Prop 65 (CJ for Wire & Cable)
<b>MII Order #39 (China RoHS):</b>	MII Order #39 (China RoHS)
<b>NEC/(UL) Specification:</b>	NEC/(UL) Specification
<b>EU Directive Compliance:</b>	EU Directive 2003/11/EC (BFR)

## History

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