



**Part Number:** 27433

600V Metal Clad, (40) 14 AWG (7x22) BC+Grd, XLPE/PVC, Alum Armor, MC

## Product Description

Forty 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	40
Ground Wire	14	7x22	BC - Bare Copper	
<b>Total Number of Conductors:</b>				40

#### 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
31	Brown/Yellow
32	Black/Brown
33	Red/Brown
34	Blue/Brown
35	Orange/Brown
36	Yellow/Brown
37	Black
38	Red
39	Blue
40	Orange

## Stranding:

Lay Length
PVC mm

## Outersheild 1:

Material
Unshielded

## Outerjacket 1:

Nominal Diameter	Nominal Wall Thickness
1.4 in	0.05 in
	0.05 in in

## Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	1.28 mm

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR
2.6 Ohm/1000ft

### Current:

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

### Voltage:

UL Voltage Rating
600 V RMS

## Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	1301 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:	16.7 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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