



Part Number: 28432

600V Metal Clad, (40) 12 AWG (7x20) BC+Grd, XLPE/PVC, Steel Armor, MC

Product Description

Forty 12 AWG stranded (7x20) bare copper conductors plus ground wire, cross-linked polyethylene insulation, steel interlocked armor, PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	12	7x20	BC - Bare Copper	40
Ground Wire	12	7x20	BC - Bare Copper	
Total Number of Conductors:				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

Outersield 1:

Material
Unshielded

Outerjacket 1:

Nominal Diameter	Nominal Wall Thickness
1.63 in	0.055 mm

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Steel	1.5 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
1.65 Ohm/1000ft

Current:

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

Voltage:

UL Voltage Rating
600 V RMS

Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	2020 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:	18.4 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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