



Part Number: 6051

600V Teck 90, (3) 14 AWG (7x22) BC, (3) 10 AWG (7x18)
BC+Grd, XLP/PVC/PVC, Alum Armor

Product Description

Composite three 14 AWG stranded (7x22) bare copper conductors and 10 AWG stranded (7x18) bare copper conductors plus ground wire, cross-linked polyethylene insulation, PVC inner jacket, aluminum interlocked armor, PVC outer jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	14	7x22	BC - Bare Copper	3
	10	7x18	BC - Bare Copper	3
Ground Wire	12	7x20	BC - Bare Copper	

Total Number of Conductors:	6
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Insulation:

Material
XLP - Cross Linked Polyolefin

Color Chart 1:

Number	Color
1	Black
14	Black
2	Red
14	Red
3	Blue (14 AWG); Black
14	Blue
1	Red
10	Black
2	Blue (10 AWG)
10	Red
3	
10	Blue

Stranding:

Lay Length
Yes mm

Outersheild 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.576 in	0.063 in

Outerjacket 2:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.897 in

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	0.801 mm

Electrical Characteristics

Conductor DCR:

Element	Nominal Conductor DCR
14 AWG	2.5 Ohm/1000ft
10 AWG	1.1 Ohm/1000ft

Current:

Max. Recommended Current [A]

12 Amps per conductor @ 25°C (14 AWG); 24 Amps per conductor @ 25°C (10 AWG)

Use

Suitability - Sunlight Resistance:

Yes

Max Recommended Pulling Tension:

200 lbs

Safety

CSA Flammability:

FT4

Temperature Range

Dry Temp Range:

-40°C To +90°C

Installation Temp Range:

-25°C To +90°C

Wet Temp Range:

-40°C To +90°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:

10.8 in

Part Number

Plenum (Y/N):

No

Standards

CA Prop 65 (CJ for Wire & Cable):

CA Prop 65 (CJ for Wire & Cable)

CSA AWM Specification:

CSA Specification

MII Order #39 (China RoHS):

MII Order #39 (China RoHS)

EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

History

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