



Part Number: 6059

600V Teck 90, (3) 14 AWG (7x22) BC, (3) 8 AWG (7x16) BC+Grd, XLP/PVC/PVC, Alum Armor

Product Description

Composite three 14 AWG stranded (7x22) bare copper conductors and 8 AWG stranded (7x16) 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
	8	7x16	BC - Bare Copper	3
Ground Wire	10	7x18	BC - Bare Copper	

Total Number of Conductors:	6
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Insulation:

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.046 in

Color Chart 1:

Number	Color
1	Black
14	Black
2	Red
14	Red
3	Blue (14 AWG); Black
14	Blue
1	Red
8	Black
2	Blue (8 AWG)
8	Red
3	
8	Blue

Stranding:

Lay Length
Y mm

Innerjacket:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.7 in

Outershield 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.98 in
	0.981 in

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	0.886 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); 44 Amps per conductor @ 25°C (8 AWG)

Use

Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	1160 lbs

Safety

CSA Flammability:	FT4
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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:	9.8 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)
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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