



Part Number: 27867

600V Teck-Style®, (3) 10 AWG (7x18) BC+Grd,
XLPE/PVC/PVC, Alum Armor, MC

Product Description

Three 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
	10	7x18	BC - Bare Copper	3
Ground Wire	10	7x18	BC - Bare Copper	
Total Number of Conductors:				3

Insulation:

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.03 in

Color Chart 1:

Number	Color
1	Black
2	Red
3	Blue

Stranding:

Lay Length
PVC mm

Innerjacket:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.48 in

Outersheild 1:

Material
Unshielded

Outerjacket 1:

Nominal Diameter
0.77 in

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	0.67 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
1.02 Ohm/1000ft

Current:

Max. Recommended Current [A]
30 Amps per conductor @ 30°C

Voltage:

UL Voltage Rating
600 V RMS

Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	249 lbs

Safety

CSA Flammability:	FT4
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
UL Flammability:	VW-1 Singles, UL1685 UL Loading

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:	9.4 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)
CSA AWM Specification:	CSA Specification
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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