



Part Number: 27854

600V Teck-Style®, (3) 12 AWG (7x20) BC+Grd, XLPE/PVC/PVC, Alum Armor, MC

Product Description

Three 12 AWG stranded (7x20) 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
	12	7x20	BC - Bare Copper	3
Ground Wire	12	7x20	BC - Bare Copper	
Total Number of Conductors:				3

Insulation:

Material	Nominal Diameter
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	0.43 in

Outersheild 1:

Material
Unshielded

Outerjacket 1:

Nominal Diameter
0.73 in

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	0.62 mm

Electrical Characteristics**Conductor DCR:**

Nominal Conductor DCR
1.65 Ohm/1000ft

Current:

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

Voltage:

UL Voltage Rating
600 V RMS

Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	156 lbs

Safety

CSA Flammability:	FT4
IEEE Flammability:	1202
Other Flammability:	ICEA T-29-520
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:	8.8 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)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

History

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