



Product: [79011](#) 

ECOFLEX, 3C #18, Str, MPPE, 600 V, AWM/STYLE 21819 105C, AWM/STYLE 21492 80C, VW-1, CSA C(RU) AWM I/II A/B FT1

Product Description

ECOFLEX, 3 Conductor 18 AWG (19/30) TC - Tinned Copper, MPPE Insulation, Slate MPPE Outer Jacket, AWM/STYLE 21819 105C, AWM/STYLE 21492 80C, VW-1, CSA C(RU) AWM I/II A/B FT1 C(RU) AWM I/II A/B FT1 UL VW-1

Technical Specifications

Product Overview

Suitable Applications:	Data, communication, audio, and low-level signal transmission; industrial networking, serial communication, control panels, automation equipment, and instrumentation systems.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	18 AWG	19x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	mPPE - Modified Polyphenylene Ether	0.010 in (0.25 mm)	0.064 in (1.6 mm)	Black, Red, White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
mPPE - Modified Polyphenylene Ether	0.035 in (0.89 mm)	0.212 in (5.38 mm)

Overall Cable Diameter (Nominal):	0.212 in (5.38 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Inductance
Conductor(s)	20.4 pF/ft (66.9 pF/m)	0.16 μH/ft (0.52 μH/m)

Voltage

UL Voltage Rating	Voltage Rating
600 V (AWM 21819), 300 V (AWM 21492)	600 V (CSA AWM)

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation
105°C	-40°C To +105°C	-5°C To +105°C

Bend Radius

Stationary Min.	1.3 in (33 mm)
Max. Pull Tension:	23.7 lbs (10.8 kg)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL VW-1, FT1
AWM Compliance:	AWM 21819AWM 21492, AWM I/II A/B
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alpha Wire -* P/N 79011 3C 18 AWG ECOFLEX(TM) RU AWM 21819 105C 600V OR 21492 80C 300V VW-1 CLASS K C(RU) AWM I/II A/B FT1 600V 105C CE ROHS (SEQ FOOTAGE)
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History

Update and Revision:	Revision Number: 0.13 Revision Date: 06-30-2026
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Part Numbers

Variants

Item #	Color
79011 SL005	Black
79011 SL001	Black

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