



Product: [79001](#) 

ECOFLEX, 2C #20, 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, 2 Conductor 20 AWG (19/32) 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)	2	20 AWG	19x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	mPPE - Modified Polyphenylene Ether	0.009 in (0.23 mm)	0.059 in (1.5 mm)	Black, Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
mPPE - Modified Polyphenylene Ether	0.035 in (0.89 mm)	0.192 in (4.88 mm)

Overall Cable Diameter (Nominal):	0.192 in (4.88 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence	Nom. Inductance
Conductor(s)	18.7 pF/ft (61.4 pF/m)	83 Ohm	0.17 µH/ft (0.56 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.	1.2 in (30 mm)
Max. Pull Tension:	11.9 lbs (5.40 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 79001 2C 20 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	Putup Type	Length
79001 SL005	Black	Reel	100 ft
79001 SL001	Black	Reel	1,000 ft

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