



Product: [79050](#) 

ECOFLEX, 2C #24, 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 24 AWG (19/36) 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. |
|------------------------|--|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 2 | 24 AWG | 19x36 | 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) | 0.044 in (1.1 mm) | Black, Red |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|-------------------------------------|--------------------|--------------------|
| mPPE - Modified Polyphenylene Ether | 0.035 in (0.89 mm) | 0.162 in (4.11 mm) |

Overall Cable Diameter (Nominal): 0.162 in (4.11 mm)

Electrical Characteristics

Electricals

| Element | Nom. Capacitance Cond-to-Cond | Nom. Characteristic Impedence | Nom. Inductance |
|--------------|-------------------------------|-------------------------------|------------------------|
| Conductor(s) | 17.1 pF/ft (56.1 pF/m) | 93 Ohm | 0.18 µH/ft (0.59 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. |
|-----------------|
| 1.0 in (25 mm) |

Max. Pull Tension: 182 lbs (82.6 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 79050 2C 24 AWG ECOFLEX(TM) RU AWM 21819 105C 600V OR 21492 80C 300V VW-1 C(RU) AWM I/II A/B FT1 600V 105C CE ROHS (SEQ FOOTAGE) |
|--------|--|

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.13 Revision Date: 06-30-2026 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type | Length |
|-------------|-------|---------------|----------|
| 79050 SL199 | Black | Cut to Length | 1 ft |
| 79050 SL005 | Black | Reel | 100 ft |
| 79050 SL001 | Black | Reel | 1,000 ft |

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.