



Product: [78316](#) 

ECOCABLE, 6C #26, Str, Modified Polyphenylene Ether-PE, 300 V, AWM/STYLE 21460 80C, VW-1, CSA C(RU) AWM I A/B FT1

Product Description

ECOCABLE, 6 Conductor 26 AWG (19/38) TC - Tinned Copper, Modified Polyphenylene Ether-PE Insulation, Overall Aluminum/Polyester Shield, Slate Modified Polyphenylene Ether-PE Outer Jacket, AWM/STYLE 21460 80C, VW-1, CSA C(RU) AWM I A/B FT1 C(RU) AWM I 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) | 6 | 26 AWG | 19x38 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|-------------------------------------|--------------------|--------------------------|--|
| Conductor(s) | mPPE - Modified Polyphenylene Ether | 0.007 in (0.18 mm) | 0.035 in (0.89 mm) | Black, Brown, Red, Orange, Yellow, Green |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Braid | Bi-Laminate (Alum+Poly) | 100% | 26 AWG (7x34) TC |
| Braid | Tinned Copper (TC) | 70% | |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|-------------------------------------|--------------------|--------------------|---------|
| mPPE - Modified Polyphenylene Ether | 0.015 in (0.38 mm) | 0.171 in (4.34 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.171 in (4.34 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Inductance |
|--------------|-------------------------------|---|------------------------|
| Conductor(s) | 27 pF/ft (89 pF/m) | 49 pF/ft (160 pF/m) | 0.18 µH/ft (0.59 µH/m) |

| | |
|-----------------------|----------------------------|
| Nom Outer Shield DCR: | 57 Ohm/1000ft (190 Ohm/km) |
|-----------------------|----------------------------|

Voltage

| UL Voltage Rating |
|------------------------------------|
| 300 V (AWM 21460), 300 V (CSA AWM) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 80°C | -40°C To +80°C |

Bend Radius

Stationary Min.

1.7 in (43 mm)

Max. Pull Tension: 23.7 lbs (10.8 kg)

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | UL VW-1, FT1 |
| AWM Compliance: | AWM 21460, AWM I 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 78316 6C 26 AWG ECOCABLE(R) MINI RU AWM 21460 80C 300V VW-1 C(RU) AWM I A/B FT1 80C 300V CE ROHS (SEQ FOOTAGE)

History

Update and Revision: Revision Number: 0.15 Revision Date: 06-30-2026

Part Numbers

Variants

| Item # | Color |
|-------------|-------|
| 78316 SL005 | Black |

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