



Product: [78445](#) 

ECOCABLE, 25C #20, Str, Modified Polyphenylene Ether-PE, 300 V, AWM/STYLE 21460 80C, VW-1, CSA C(RU) AWM I A/B FT1

Product Description

ECOCABLE, 25 Conductor 20 AWG (19/32) 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.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	25	20 AWG	19x32	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)	0.054 in (1.4 mm)	Black, Red, White, Green, Orange, Blue, Brown, Yellow, Violet, Slate, Pink, Tan, Red/Green, Red/Yellow, Red/Black, White/Black, White/Red, White/Green, White/Yellow, White/Blue, White/Brown, White/Orange, White/Slate, White/Violet, White/Black/Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
mPPE - Modified Polyphenylene Ether	0.015 in (0.38 mm)	0.362 in (9.19 mm)	Yes

Overall Cable Diameter (Nominal):	0.362 in (9.19 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	37 pF/ft (120 pF/m)	67 pF/ft (220 pF/m)	0.15 µH/ft (0.49 µH/m)

Nom Outer Shield DCR:	75 Ohm/1000ft (250 Ohm/km)
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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.

3.6 in (91 mm)

Max. Pull Tension: 6.3 lbs (2.9 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 78445 25C 20 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: 0.94 Revision Date: 06-30-2026

Part Numbers**Variants**

Item #	Color	Putup Type	Length
78445 SL005	Black	Reel	100 ft
78445 SL001	Black	Reel	1,000 ft

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