



Product: [M13247](#) 

AUDIO, 2C #16, Str, Polyethylene(PE), 600 V, CM 75C, AWM/STYLE 20253 80C, CL2 75C, AWM/STYLE 1922 80C, CSA C(UL) TYPE CM

Product Description

AUDIO, 2 Conductor 16 AWG (19.0117) TC - Tinned Copper, Polyethylene(PE) Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, CM 75C, AWM/STYLE 20253 80C, CL2 75C, AWM/STYLE 1922 80C, CSA C(UL) TYPE CM C(UL) TYPE CM

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	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.032 in (0.81 mm)	0.123 in (3.12 mm)	Black, Clear

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (16x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.314 in (7.98 mm)

Overall Cable Diameter (Nominal):	0.314 in (7.98 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Inductance
Conductor(s)	20.5 pF/ft (67.3 pF/m)	37 pF/ft (120 pF/m)	75 Ohm	0.2 µH/ft (0.66 µH/m)

Voltage

UL Voltage Rating
300 V (CM), 600 V (AWM 20253)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
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2.5 in (64 mm)	2.5 in (64 mm)
Max. Pull Tension:	47 lbs (21 kg)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 20253
CEC / C(UL) Compliance:	CM
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 M13247 2C 16 AWG SHIELDED 75C (UL) C(UL) TYPE CM OR 75C (UL) TYPE CL2 OR AWM STYLE 20253 80C 600V CE ROHS
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History

Update and Revision:	Revision Number: 0.42 Revision Date: 06-30-2026
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