



**Product:** [M64812](#) 

PLENUM, 15C #22, Str, FEP, 300 V, CMP 150C, CSA C(UL) TYPE CMP, CSA FT6

## Product Description

PLENUM, 15 Conductor 22 AWG (7/30) TC - Tinned Copper, FEP Insulation, Overall Aluminum/Polyester Shield, Slate FEP Outer Jacket, CMP 150C, CSA C(UL) TYPE CMP, CSA FT6 C(UL) TYPE CMP, FT6 UL FT6; CSA FT6

## 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)	15	22 AWG	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.006 in (0.15 mm)	0.042 in (1.1 mm)	Black, White, Red, Green, Orange, Blue, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White, Red/White, Green/White, Blue/White

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.012 in (0.30 mm)	0.221 in (5.61 mm)

Overall Cable Diameter (Nominal): 0.221 in (5.61 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)	0.16 μH/ft (0.52 μH/m)

Nom Outer Shield DCR: 159 Ohm/1000ft (522 Ohm/km)

#### Voltage

UL Voltage Rating
300 V (CMP)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
150°C	-80°C To +150°C

#### Bend Radius

**Stationary Min.**

2.2 in (56 mm)

Max. Pull Tension: 86 lbs (39 kg)

**Standards and Compliance**

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 FT6 Loading, FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
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 M64812 15C 22 AWG EXXXXXX SHIELDED 150C CMP (UL) C(UL) CE ROHS
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**History**

Update and Revision:	Revision Number: 0.122 Revision Date: 06-30-2026
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**Part Numbers****Variants**

Item #	Color	Putup Type	Length
M64812 SL005	Black	Reel	100 ft

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