



**Product:** [76000](#) 

XGIE, 4PR , Sol, FEP, 300 V RMS, CMR 105C, FT4, CSA C(UL) TYPE CMR, CSA FT4

## Product Description

XGIE, 4 Pair 24 AWG (SOLID) BC - Bare Copper, FEP Insulation, Tan TPE Outer Jacket, CMR 105C, FT4, CSA C(UL) TYPE CMR, CSA FT4 C(UL) TYPE CMR, FT4 UL FT4; CSA FT4

## 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	Size	Stranding	Material	No. of Pairs
Pair(s)	24 AWG	Solid	BC - Bare Copper	4

#### Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.034 in (0.86 mm)	White/Blue & Blue, White/Orange Stripe & Orange, White/Green Stripe & Green, White/Brown Stripe & Brown

#### Outer Jacket

Material	Nom. Diameter	Ripcord
TPE - Thermoplastic Elastomer	0.257 in (6.53 mm)	Yes

Overall Cable Diameter (Nominal): 0.257 in (6.53 mm)

### Electrical Characteristics

#### Electricals

Element	Max. Conductor DCR	Max. Mutual Capacitance	Max. Capacitance Unbalance	Nom. Characteristic Impedance
Pair(s)	93.8 Ohm/km (28.6 Ohm/1000ft)	56 pF/m (17 pF/ft)	330 pF/100m	100 Ohm

#### Delay

Max. Delay Skew	Nom. Velocity of Prop.
45 ns/100m	70%

#### High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)
1	2.4 dB/100m
4	4.9 dB/100m
8	6.9 dB/100m
10	7.8 dB/100m
16	9.9 dB/100m
20	11.1 dB/100m
25	12.5 dB/100m
31.25	14.1 dB/100m
62.5	20.4 dB/100m
100	26.4 dB/100m

## Mechanical Characteristics

### Temperature

UL Temperature	Operating
105°C	-50°C To +105°C

### Bend Radius

Stationary Min.
1.0 in (25 mm)

Max. Pull Tension:	74 lbs (34 kg)
Bulk Cable Weight:	30.0 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1666 Riser
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMR
Data Category:	Category 5e
TIA/EIA Compliance:	ANSI/TIA-568.2-D Category 5e
ISO/IEC Compliance:	ISO/IEC 11801 Cat 5e
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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 76000 4PR 24 AWG XTRAGUARD(R) INDUSTRIAL ETHERNET (UL) C(UL) TYPE CMR 105C FT4 ANSI/TIA-568-C.2 CAT5E CE ROHS (SEQUENTIAL FOOTAGE MARKING)
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## History

Update and Revision:	Revision Number: 0.6 Revision Date: 07-08-2026
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length
76000 BK002	Black	Reel	500 ft
76000 BK001	Black	Reel	1,000 ft

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