



Product: [74006](#) 

XGIE, 4PR #26, Str, Polypropylene(PP), 300 V RMS, CSA FT2

Product Description

XGIE, 4 Pair 26 AWG (19/38) BC - Bare Copper, Polypropylene(PP) Insulation, Overall Aluminum/Polyester Shield, Black Polyurethane, Zero Halogen (ZH) Outer Jacket, CSA FT2 FT2 UL FT2; CSA FT2; EN 60754-1 Acid Gas Generation

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)	26 AWG	19x38	BC - Bare Copper	4

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene	0.039 in (0.99 mm)	White/Blue & Blue, White/Orange & Orange, White/Green & Green, White/Brown & Brown

Cable Core

Description
5 fillers and 4 pairs twisted to cable core

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%
Braid	Tinned Copper (TC)	80%

Outer Shield Table Notes:	Aluminum outside
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Outer Jacket

Separator	Material	Nom. Diameter
non-Woven Tape	PUR - Polyurethane (Halogen Free)	0.252 in (6.40 mm)

Outer Jacket1 Table Notes:	Sheath Resists Weld-Splatter
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Overall Cable Diameter (Nominal):	0.252 in (6.40 mm)
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Electrical Characteristics

Electricals

Element	Max. Conductor DCR	Max. Mutual Capacitance	Max. Capacitance Unbalance	Nom. Characteristic Impedance
Pair(s)	140 Ohm/km (43 Ohm/1000ft)	56 pF/m (17 pF/ft)	160 pF/100m	100 Ohm

Delay

Max. Delay Skew	Nom. Velocity of Prop.
40 ns/100m	60%

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)
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1	3.2 dB/100m
4	6.2 dB/100m
10	9.5 dB/100m
16	12.1 dB/100m
20	13.6 dB/100m
31.25	17.9 dB/100m
62.5	24.8 dB/100m
100	32 dB/100m

High Frequency Table Notes: Reference standard: ISO/IEC 11801 ed 2.0, Cat 5e

Transfer Impedance

Frequency	Max. Transfer Impedance
1 MHz	Max. 15 mOhm/m
10 MHz	Max. 10 mOhm/m
30 MHz	Max. 30 mOhm/m
100 MHz	100 mOhm/m

Transfer Impedance Class: Grade 1

Voltage

Voltage Rating
450 V DC and 300 V AC

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-40°C to +80°C	-5°C To +50°C	-40°C to +80°C

Trailing/Flexing Properties

Motion	Number of Cycles	Traverse Length	Torsion Angle
Trailing/Bending	1,000,000		
Torsion/Twisting	2,000,000	1 m	360 °

Bend Radius

Stationary Min.	Installation Min.
1.2 in (30 mm)	2.4 in (61 mm)

Max. Pull Tension: 16.5 lbs (7.48 kg)

Standards and Compliance

Environmental Suitability:	Indoor, Indoor, Sunlight Resistance - Black only, Oil Resistance
Flammability / Reaction to Fire:	UL 1581 Horizontal flame test
AWM Compliance:	AWM 20549
Data Category:	Category 5e
TIA/EIA Compliance:	ANSI/TIA 568.2-D
ISO/IEC Compliance:	ISO/IEC 11801-1
CENELEC Compliance:	EN 50173-1
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = Zero
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

Product Notes

Notes: Alpha Wire -* P/N 74006 4PR 26 AWG INDUSTRIAL ETHERNET SHIELDED ANSI/TIA-568-C.2 CAT5E VERIFIED CE ROHS (SEQ FOOTAGE)

History

Update and Revision: Revision Number: 0.6 Revision Date: 07-08-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length
74006 BK002	Black	Reel	500 ft

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