



Product: [74004](#) 

XGIE, 4PR #26, Str, Polyethylene, Foam-Skin, 300 V RMS, CSA FT2

Product Description

XGIE, 4 Pair 26 AWG BC - Bare Copper, Polyethylene, Foam-Skin Insulation, Overall Tinned Copper Shield, Black Polyurethane, Zero Halogen (ZH) Outer Jacket, CSA FT2 FT2 UL FT2; CSA FT2; EN 60754-2 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.
------------------------	--

Construction Details

Conductor

Element	Size	Stranding	Material	No. of Pairs
Pair(s)	26 AWG	7x34	BC - Bare Copper	4

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene (Foam)	0.041 in (1.0 mm)	White/Blue & Blue, White/Orange & Orange, White/Green & Green, White/Brown & Brown

Cable Core

Description
4 pairs twisted to cable core

Inner Shield

Element	Shield Type	Material
Individual Shielded Pair	Tape	Bi-Laminate (Alum+Poly)

Inner Shield Table Notes:	Aluminum outside
---------------------------	------------------

Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	65%

Outer Jacket

Material	Nom. Diameter	Ripcord
PUR - Polyurethane (Halogen Free)	0.268 in (6.81 mm)	Yes

Outer Jacket1 Table Notes:	Flame Retardant Sheath
Overall Cable Diameter (Nominal):	0.268 in (6.81 mm)

Electrical Characteristics

Electricals

Element	Max. Conductor DCR	Max. Mutual Capacitance	Max. Capacitance Unbalance	Nom. Characteristic Impedance
Pair(s)	145 Ohm/km (44.2 Ohm/1000ft)	56 pF/m (17 pF/ft)	160 pF/100m	100 Ohm

Delay

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

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. ACRF (ELFEXT) [dB]	Min. PSACRF (PSELFEXT) [dB]	Min. RL (Return Loss) [dB]
1	2.7 dB/100m	80	77			
4	5.5 dB/100m	80	77	58	55	23
10	8.5 dB/100m	80	77	50	47	25
16	10.8 dB/100m	80	77	46	43	25
20	12.1 dB/100m	80	77	44	41	25
31.25	15.2 dB/100m	80	77	40	37	23.6
62.5	21.8 dB/100m	75.1	72.1	34	31	21.5
100	27.8 dB/100m	72.4	69.4	30	27	20.1
200	40.1 dB/100m	67.9	64.9	24	21	18
300	50 dB/100m	65.3	62.3	20	17	17.3
600	73.3 dB/100m	60.8	57.8	14	11	17.3

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
Screening Class:	Type I
Screening Table Notes:	Coupling Attenuation

Voltage

Voltage Rating
450 V DC and 300 V AC

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-40°C to +80°C	-15°C To +60°C	-40°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
1.2 in (30 mm)	2.6 in (66 mm)

Max. Pull Tension:	18 lbs (8.2 kg)
--------------------	-----------------

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Sunlight Resistance, Oil Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2
AWM Compliance:	AWM 21292
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, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 10 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

Product Notes

Notes:	Alpha Wire -* P/N 74004 4PR 26 AWG INDUSTRIAL ETHERNET SHIELDED CAT7 FT2 CE ROHS (SEQ FOOTAGE)
--------	--

History

Update and Revision:	Revision Number: 0.77 Revision Date: 07-08-2026
----------------------	---

Part Numbers

Variants

Item #	Color	Putup Type	Length
--------	-------	------------	--------

74004 BK002	Black	Reel	500 ft
-------------	-------	------	--------

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.