



Product: [50106AHSFP](#)

BELDEN Industrial High Flexible Ethernet CAT6A cable, SF/UTP, PUR Jacket, Indoor

Product Description

BELDEN Industrial Ethernet CAT6A,SF/UTP, 4x2x26AWG, Stranded Bare Copper Conductors, PO Insulation, Al-Mylar+Braid Shield, PUR Jacket, Indoor

Technical Specifications

Product Overview

Suitable Applications:	Industrial Ethernet cables are used for interconnecting Industrial Ethernet Switches, IP controllers, media convertors, distributed control system, programmable logic controller and transmitting industrial protocol data signals. Support current and future Category6A applications, such as: 10Base-T, 100Base-TX, 1000Base-T and 10GBase-T. These are Cat 6A cables for indoor use meeting IEC61156-6, UL 758, EN50288-10-2, IEC11801
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Construction Details

Conductor				
Element	Size	Material	No. of Pairs	No. of Elements
Pair(s)	26 AWG	BC - Bare Copper	4	8

Insulation		
Material	Nom. Insulation Diameter	Color Code
PO - Polyolefin	1.0 mm (0.039 in)	1.White/Blue,Blue, 2.White/Orange,Orange, 3.White/Green,Green, 4.White/Brown,Brown

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

Outer Jacket	
Material	
PUR - Polyurethane (Halogen Free)	
Overall Cable Diameter (Nominal):	7.3 mm (0.29 in)

Electrical Characteristics

Electricals	
Max. Conductor DCR	Nom. Characteristic Impedance
145@20°C Ohm/km	100 Ohm

Voltage	
UL Voltage Rating	
300 V	

Mechanical Characteristics

Temperature	
UL Temperature	
-40°C To +80°C	

Bend Radius

Flexing Min.
75 mm (3.0 in)

Standards and Compliance

Environmental Suitability:	Indoor, Oil Resistance
Flammability / Reaction to Fire:	IEC 60332-1 Flammability
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = Free

Product Notes

Notes:	Max Transmission Length: Link Class-CatEa(CAT6A), Channel-74m; Drag chain test:10 million cycles; Speed:30 cycles/min; Chain length: 1m
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History

Update and Revision:	Revision Number: 0.25 Revision Date: 05-29-2025
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