



Product: [74034PU](#)

Belden Flexible Ethernet 26 AWG SPE Cable



Product Description

Belden Flexible Ethernet 26 AWG double shield PU jacket SPE Drag chain application Cable.

Technical Specifications

Product Overview

Suitable Applications:	1 single pair Ethernet up to 600 MHz accord. IEEE 802.3bp (1000BASE-T1)
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Construction Details

Conductor

Element	Size	Stranding	Material	No. of Pairs
Pair(s)	26 AWG	19x0.10 mm	TC - Tinned Copper	1

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene	1.1 mm (0.043 in)	White, Blue

Inner Jacket

Material	Color
TPE - Thermoplastic Elastomer	White

Outer Shield

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

Outer Jacket

Material
PUR - Polyurethane (Halogen Free)

Overall Cable Diameter (Nominal):	5.0 mm (0.20 in)
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Electrical Characteristics

Electricals

Max. Conductor DCR	Nom. Characteristic Impedance
150 Ω/km @ 20°C	100 Ohm

High Frequency

Frequency	Max. Insertion Loss (Attenuation)	Min. RL (Return Loss) [dB]	Min. TCL [dB]	Min. ELCTL [dB]	Max. Surface Transfer Impedance	Min. Coupling Attenuation [dB]
1	3.1 dB/100 m	20	40	40	50	
4 MHz	5.6 dB/100 m	23	40	28	75.9	
10 MHz	8.7 dB/100 m	25	35	20	100	
20 MHz	12.3 dB/100 m	25	30.5	14	154.9	
30 MHz	15.1 dB/100 m	18.5	27.8	10.5	200	85
100 MHz	27.8 dB/100 m	15.6	20	5.0		85

600 MHz	70.7 dB/100 m	15.6	8.3	5.0	69.4
1000 MHz					65

Voltage

UL Voltage Rating	Breakdown Voltage
300 V	2kV ac/min

Mechanical Characteristics

Temperature

Operating
-40 to + 80

Trailing/Flexing Properties

Motion	Number of Cycles	Radius	Speed	Acceleration	Traverse Length
Trailing/Bending	5,000,000	75 mm	3 m/s	10 m/s ²	5 m

Bulk Cable Weight:	32 kg/km (22 lbs/1000ft)
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Standards and Compliance

AWM Compliance:	AWM 20549
Data Category:	SPE 1000 Mbps
ISO/IEC Compliance:	IEC 61156-12, UL 758
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = 0.5%
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	HF : According to EN 60684-2 : ≤0.1%
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History

Update and Revision:	Revision Number: 0.28 Revision Date: 08-13-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
74034PU-C500	Blue, Light	Reel	500 m	8719605219572

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