



Product: [74005E](#)

DataTuff® 7, 4PR #26 Str BC, PO ins, S/FTP, PVC jkt, AWM 20121

Product Description

DataTuff® 7, 4 Pair AWG 26 Bare Copper - Stranded, Polyethylene insulation, S/FTP - Overall Braid / Individual Foil shielding, PVC jacket , AWM 20121

Technical Specifications

Product Overview

Suitable Applications:	Cat7, harsh environment, IIoT, factory or process automation, video, audio, data communication, etc.
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Construction Details

Conductor

Size	Stranding	Material	No. of Pairs	No. of Elements
26 AWG	Stranded	BC - Bare Copper	4	8

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	1.05 mm (0.0413 in)	White & Blue, White & Orange, White & Green, White & Brown

Cable Core

Description
2 twisted insulated conductors, 4 pairs twisted together left hand lay

Inner Shield

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

Outer Shield

Shield Type	Material
Braid	Tinned Copper (TC)

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	6.8 mm (0.27 in)
Overall Cable Diameter (Nominal): 6.8 mm (0.27 in)	

Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Mutual Capacitance	Max. Capacitance Unbalance	Nom. Characteristic Impedance
145 Ohm/km	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)
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1	2.7 dB/100m
4	5.5 dB/100m
10	8.5 dB/100m
16	10.8 dB/100m
20	12.1 dB/100m
31.25	15.2 dB/100m
62.5	21.8 dB/100m
100	27.8 dB/100m
200	40.1 dB/100m
300	50 dB/100m
600	73.3 dB/100m

Voltage

UL Voltage Rating
30 V RMS

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.
30 mm (1.2 in)	65 mm

Max. Pull Tension:	80 N (18 lbf)
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Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca, Indoor, Sunlight Resistance - Black only, Oil Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
AWM Compliance:	AWM 20121
Data Category:	Category 7
TIA/EIA Compliance:	ANSI/TIA 568.2-D
ISO/IEC Compliance:	ISO/IEC 11801-1
CENELEC Compliance:	EN 50173-1
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.196 Revision Date: 04-29-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
74005E.01500	Black	Reel	500 m	8719605013255

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