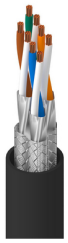
Belden



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.

Construction Details

Conductor

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

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 (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)
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)

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: 0.199 Revision Date: 02-20-2026

Part Numbers

Variants

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

© 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.