



Product: [74043E](#)

DataTuff Ind SPE cable 10Mbps 400m, SF/UTP, AWG22 Stranded, PVC

Product Description

DataTuff Ind SPE cable 10Mbps 400m, SF/UTP, AWG22 Stranded, PVC

Technical Specifications

Product Overview

Suitable Applications:	1 single pair Ethernet up to 20 MHz
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Construction Details

Conductor

Element	Size	Stranding	Material	No. of Pairs
Pair(s)	22 AWG	7x30	TC - Tinned Copper	1

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene (Foam)	1.70 mm (0.0669 in)	White & Blue

Outer Shield

Shield Type	Material	Coverage
Tape	Polyester	100%
Tape	Bi-Laminate (Alum+Poly)	100%
Braid	Tinned Copper (TC)	90%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	6.2 mm (0.24 in)

Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Capacitance Unbalance
68.0 Ohm/km (20.7 Ohm/1000ft)	160 pF/100m

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation) [dB]	Min. RL (Return Loss) [dB]	Min. Coupling Attenuation [dB]
0.1	1.4	15	60
1	2.1	20	60
4	3.8	23	60
10	5.9	25	60
20	8.4	25	60

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating

-30C to +75°C

Bend Radius

Stationary Min.

37.3 mm (1.47 in)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance
Flammability / Reaction to Fire:	UL 1685 Vertical Tray, UL 1685 Vertical TrayFT1
NEC / UL Compliance:	Article 725, Article 800, CM, PLTC
CEC / C(UL) Compliance:	CM
Data Category:	SPE 10 Mbps
TIA/EIA Compliance:	TIA 568.5
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2022-04-27
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.109 Revision Date: 07-10-2024
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