



Product: [AUSPPD3899](#)

AUTOMOTIVE ETHERNET SPE 25GBPS 1P 26AWG SPP PVC

Product Description

AUTOMOTIVE ETHERNET SPE 25GBPS 1P 26AWG SPP PVC

Technical Specifications

Product Overview

Suitable Applications:	Automotive Ethernet
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Construction Details

Conductor

Size	Stranding	Material	No. of Pairs
26	7x34	TC - Tinned Copper	1

Insulation

Material	Nom. Insulation Diameter	Color Code	Notes
PP - Polypropylene	1.25 mm (0.0492 in)	White & Green	Foamed PP

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%
Braid	Tinned Copper (TC)	85%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	4 mm (0.16 in)

Electrical Characteristics

Electricals

Max. Conductor DCR	Nom. Characteristic Impedance
150 Ohm/km (46 Ohm/1000ft)	100 Ohm

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. RL (Return Loss) [dB]
100	0.32 dB	20
500	0.72 dB	20
900	0.99 dB	17
1100	1.09 dB	16.4
1500	1.31 dB	15.05
1700	1.40 dB	14.5
2100	1.59 dB	13.5
2500	1.75 dB	12.8
2900	1.92 dB	11.8
3100	2.01 dB	11.3
3500	2.15 dB	10.9

3900	2.31 dB	10.5
4300	2.46 dB	10.1
4700	2.64 dB	9.7
5100	2.77 dB	9.4
5500	2.91 dB	9.1
5900	3.06 dB	8.8
6300	3.22 dB	8.5
6700	3.43 dB	8.2
7100	3.63 dB	8.0
7500	3.84 dB	8
7900	4.16 dB	8
8300	4.46 dB	8
8700	4.75 dB	8
9000	4.90 dB	8

Screening

Frequency	Min. Screening Attenuation
30 MHz	45 dB
4000 MHz	45 dB

Voltage

Voltage Rating
60 V

Mechanical Characteristics

Temperature

Operating
-40°C To +105°C

Bulk Cable Weight:	44.9 kg/km (30.2 lbs/1000ft)
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Standards and Compliance

Flammability / Reaction to Fire:	FT2
IEEE Compliance:	IEEE 802.3cy

History

Update and Revision:	Revision Number: 0.17 Revision Date: 04-29-2024
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