



Product: [5A4N00001](#)

OSDP RS485, 2PR #22 Str TC, Foam-PE Ins, OS, LSZH Jkt

Product Description

OSDP RS-485, 2 Pair 24AWG (7x30) Tinned Copper, Foam-PE Insulation, Overall Shield+Tinned Copper drainwire, LSZH Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	OSDP Readers, RS-485, Serial Data, Access Control
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Construction Details

Conductor

Element	No. of Conductors	No. of Pairs	Size	Stranding	Material
Pair(s)	4	2	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene (Foam)	2.0 mm (0.079 in)	1.Green*White 2.Brown*Blue

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.8 mm (0.031 in)

Overall Cable Diameter (Nominal):	7.5 mm (0.30 in)
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Electrical Characteristics

Electricals

Max. Conductor DCR	Nom. Characteristic Impedence
59.7@20°C Ohm/km	120 Ohm

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature
-20°C To +75°C

Standards and Compliance

Environmental Suitability:	Indoor, Indoor, Non-Halogenated
Flammability / Reaction to Fire:	IEC 60332-1-2

ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 60%
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = 0.5%, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 10 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3

History

Update and Revision:	Revision Number: 0.16 Revision Date: 09-22-2025
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