

Product: 6541FD

2 Pr #22 STR TC, FEP, Ov Shld OSDP Readers CMP

Product Description

RS485, OSDP Reader, 2 Pr #22 Str TC, FEP, Overall Shield, CMP

Technical Specifications

Product Overview

Suitable Applications:	RS-485 Serial Data, Dual OSDP Reader Access Control

Construction Details

Conductor

Element	No. of Pairs	Size	Stranding	Material	Notes
Data Pair(s)	2	22 AWG	7x30	TC - Tinned Copper	2 Pair Construction. Each Pair RS-485 OSDP Reader

Insulation

Element	Material	Nom. Thickness	Color Code
Data Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	.023 in (0.58 mm)	Pair 1: White, Green, Pair 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	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	.016 in (0.41 mm)	.292 in (7.04mm)	Yes

Outer Jacket1 Table Notes:	Flamearrest Plenum Jacket

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
Data Pair(s)	16.3 Ohm/1000ft (53.5 Ohm/km)	13.5 pF/ft (44.3 pF/m)	24 pF/ft (79 pF/m)	120 Ohm	2.2 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	58 lbs (26 kg)
Bulk Cable Weight:	27 lbs/1000ft (40 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.8 Revision Date: 03-07-2024

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