Product: 6640FD

1Pr 24AWG Shielded Data OSDP CMP

Product Description

OSDP Reader Cable, 1 Pair 24 AWG stranded (7x32) tinned copper (data) with foam FEP insulation, Beldfoil® shield w/ drain,with Flamarrest® insulation, Plenum, Flamarrest®

Technical Specifications

Product Overview

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

Construction Details

Conductor

No. of Pairs	Size	Stranding	Material	Notes
1	24 AWG	7x32	TC - Tinned Copper	Twisted Pair Configuration - 120 Ohm RS485

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene (Foam)	0.025 in (0.64 mm)	0.074 in (1.9 mm)	White/Blue Stripe & Blue/White Stripe

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
Flamarrest®	0.015 in (0.38 mm)	0.186 in (4.72 mm)

Overall Cable Diameter (Nominal):	0.186 in (4.72 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.
24 Ohm/1000ft	11 pF/ft (36 pF/m)	23 pF/ft (75 pF/m)	120 Ohm	76%

Voltage

UL Voltage Rating
(300 V (CMP))

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

Stationary Min.
1.86 in (47.2 mm)

Max. Pull Tension:	28 lbs (13 kg)
Bulk Cable Weight:	16 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	CMP, FT6, NFPA 262
NEC / UL Compliance:	Article 800
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6640FD

History

Update and Revision:	Revision Number: 0.111 Revision Date: 03-28-2024

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