



Product: [5A4B0NDF1](#) 

Access control cable, 1 Pr #22 Str TC+4C22# Str BC+2C18# Str BC+2C14# Str BC, Foam PE+PP Ins, Tape Shield, LSZH Jkt, IEC 60332-1-2

Product Description

Access control cable, 1 Pr #22 Str TC+4C22# Str BC+2C18# Str BC+2C14# Str BC, Foam PE+PP Ins, Tape Shield, LSZH Jkt, IEC 60332-1-2

Technical Specifications

Product Overview

Suitable Applications:	Instrumentation and computer cable. For OSDP EIA RS-485 transmissions applications
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Construction Details

Conductor

Element Description	Element	No. of Elements	Size	Stranding	Material
Card Reader	Pair(s)	1	22 AWG	7x30	TC - Tinned Copper
Door Contact	Conductor(s)	4	22 AWG	7x30	BC - Bare Copper
REX/Spare	Conductor(s)	2	18 AWG	7x26	BC - Bare Copper
Lock Power	Conductor(s)	2	14 AWG	19x26	BC - Bare Copper

Insulation

Element Description	Element	Material	Nom. Insulation Diameter	Color Code
Card Reader	Pair(s)	PE - Polyethylene (Foam)	2.40 mm (0.0945 in)	White,Blue
Door Contact	Conductor(s)	PP - Polypropylene	1.25 mm (0.0492 in)	Black, Red,White, Green
REX/Spare	Conductor(s)	PP - Polypropylene	1.6 mm (0.063 in)	Black, Red
Lock Power	Conductor(s)	PP - Polypropylene	2.35 mm (0.0925 in)	Black, Red

Outer Shield

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

Inner Jacket

Element Description	Element	Material	Nom. Diameter
Card Reader	Card Reader	LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.9 mm (0.23 in)
Door Contact	Door Contact	LSZH - Low Smoke Zero Halogen (Flame Retardant)	4.1 mm (0.16 in)
REX/Spare	REX/Spare	LSZH - Low Smoke Zero Halogen (Flame Retardant)	4.3 mm (0.17 in)
Lock Power	Lock/Power	LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.76 mm (0.227 in)

Outer Jacket

Material
LSZH - Low Smoke Zero Halogen (Flame Retardant)

Overall Cable Diameter (Nominal):	14.2 mm (0.559 in)
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Electrical Characteristics

Electricals

Element Description	Nom. Characteristic Impedance
Card Reader	120 Ohm
Door Contact	
REX/Spare	
Lock Power	

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature
-20°C~75°C

Bend Radius

Installation Min.
10xOD

Standards and Compliance

Flammability / Reaction to Fire:	IEC 60332-1-2
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, IEC 61034-2 - Smoke Density Min. Transmittance = 60%

Product Notes

Notes:	22AWG:59.7;18AWG:22.78;14AWG:8.94
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History

Update and Revision:	Revision Number: 0.6 Revision Date: 04-14-2026
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