



Product: [89855](#)

POS Cable, #22-2pr, TC, FEP, O/A Foil+55% TC Braid, FEP Jkt, CMP

Product Description

Computer POS Cable, 22 AWG solid tinned copper conductors, solid FEP insulation, twisted pairs, overall Beldfoil® (100% coverage) + tinned copper braid shield (55% coverage) + polyester tape, 22 AWG solid tinned copper drain wire, FEP jacket, plenum rated

Technical Specifications

Product Overview

Suitable Applications:	point of sale; rs-485 applications; extreme high/low temperature environments; computer communication; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; panel wiring
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	2	22 AWG	Solid	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.016 in (0.41 mm)	0.058 in (1.5 mm)	Red & Blue, Black & Yellow

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (Solid) TC
Braid	Tinned Copper (TC)	56%	

Table Notes:	Polyester Tape
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Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
FEP - Fluorinated Ethylene Propylene	0.016 in (0.41 mm)	0.272 in	Yes

Overall Cable Diameter (Nominal):	0.272 in
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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.	Max. Current
20.6 Ohm/1000ft	15.5 pF/ft (50.9 pF/m)	27 pF/ft (89 pF/m)	100 Ohm	70%	4.8 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
200°C	-70°C to +200°C

Bend Radius

Stationary Min.	Installation Min.
2.72 in (69.1 mm)	2.72 in

Max. Pull Tension:	65 lbs (29 kg)
Bulk Cable Weight:	38 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance
Flammability / Reaction to Fire:	NFPA 262 (UL 910), FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, REACH, 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)
Non-Plenum Number:	9855

History

Update and Revision:	Revision Number: 0.352 Revision Date: 12-22-2023
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Part Numbers

Variants

Item #	Color	UPC	Footnote
89855 0101000	Black	612825221357	C

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