



Product: [9855](#) 

POS Cable, #22-2pr, TC, PO, O/A Foil+55% TC Braid, PVC Jkt, CM

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	point of sale; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...)
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	Solid	TC - Tinned Copper	2

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.019 in

Color Chart

Number
Red & Blue
Black & Yellow

Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22
Braid	2	Tinned Copper (TC)		58%		

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.270 in	0.033 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16.5 Ohm/1000ft	4.2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
15.5 pF/ft	27.5 pF/ft

Impedance

Nominal Characteristic Impedance

100 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
0.3	0.4 dB/100ft
0.6	0.53 dB/100ft
1	0.65 dB/100ft
1.5	0.78 dB/100ft

Delay

Nominal Velocity of Propagation (VP) [%]
66%

Current

Max. Recommended Current [A]
2.3 Amps per Conductor at 25°C

Voltage

Voltage Rating [V]
300V

Temperature Range

UL Temp Rating:	60°C
Operating Temp Range:	-20°C to 60°C

Mechanical Characteristics

Bulk Cable Weight:	37 lbs/1000ft
Max. Pull Tension:	63.8 lbs
Min. Bend Radius/Minor Axis:	2.75 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CM
UL AWM Style Compliance:	2582
CPR Euroclass:	Fca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT1
UL Flammability:	UL 1685 UL loading

Plenum/Non-Plenum

Plenum (Y/N):	N
Plenum Number:	89855

Part Number

Variants

Item #	Color	UPC
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9855 0101000	Black	612825259657
9855 01010000	Black	612825259664
9855 010500	Black	612825259671

Footnote:	C - CRATE REEL PUT-UP., Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.
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History

Update and Revision:	Revision Number: 0.198 Revision Date: 09-10-2021
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