




**Product:** [1269A](#) 

POS Cable, #22-2pr, TC, FEP, O/A Foil+90% 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 (90% coverage), 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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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	4
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#### Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.016 in

#### Color Chart

Number	Color
1	Red & Blue
2	Black & Yellow

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	Solid
Braid	2	Tinned Copper (TC)		90%			

Table Notes:	Polyester Tape
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#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.24 in	0.017 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16.5 Ohm/1000ft	2.1 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
15.5 pF/ft	27 pF/ft

#### Inductance

Nominal Inductance
0.17 $\mu$ H/ft

Impedance

Nominal Characteristic Impedance
100 Ohm

High Frequency (Nominal/Typical)

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

Delay

Max. Delay Skew	Nominal Delay
69.5 ns/100m	1.46 ns/ft

High Freq

Frequency [MHz]
0.3 MHz
0.6 MHz
1 MHz
1.5 MHz

Current

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

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-70°C To +200°C
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Mechanical Characteristics

Bulk Cable Weight:	44 lbs/1000ft
Max. Pull Tension:	88 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
CSA Flammability:	FT6
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	1268A
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Variants

Item #	Color	UPC
1269A 0101000	Black	612825110064

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.259 Revision Date: 09-30-2020
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