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1-800-Belden1



### General Description:

22 AWG solid TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® shield (100% coverage) + TC braid (90% coverage), 22 AWG solid TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	Solid	TC - Tinned Copper

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
HDPE - High Density Polyethylene	0.019

#### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	90

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
22	Solid		TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.033

#### Overall Cable

Overall Nominal Diameter: 0.270 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Red & Blue
2	Black & Yellow

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2582)
Bulk Cable Weight:	45 lbs/1000 ft.
Max. Recommended Pulling Tension:	68 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2582 (150 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes

## 1268A Multi-Conductor - Computer P.O.S. Cable

EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

### Flame Test

UL Flame Test:	UL1685 UL Loading
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### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1269A

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)
100

#### Nom. Inductance:

Inductance (µH/ft)
.164

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
15.5

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
27.5

#### Nominal Velocity of Propagation:

VP (%)
66

#### Nominal Delay:

Delay (ns/ft)
1.54

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.5

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.7

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
.3	.4
.6	.53
1.0	.65
1.5	.78

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Operating Voltage - Non-UL:

Voltage
150 V RMS (UL AWM Style 2582)

#### Max. Recommended Current:

Current
2.3 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1268A 0101000	1,000 FT	48.000 LB	BLACK	C	2 PR #22 HDPE SHLD PVC

Notes:  
C = CRATE REEL PUT-UP.

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