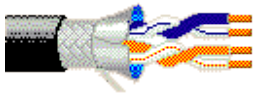


89696 Multi-Conductor - Low Capacitance Computer and Computer P.O.S. Cable



For more Information
please call

1-800-Belden1



General Description:

22 AWG solid BC conductors, plenum, solid FEP insulation, twisted pairs, overall Beldfoil (100% coverage)
+ TC braid shield (55% coverage), 22 AWG solid TC drain wire, FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	Solid	BC - Bare Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material
Teflon®	Solid FEP - Solid Fluorinated Ethylene Propylene

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	55

Outer Shield Drain Wire AWG:

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

Outer Shield Separator Material: Polyester Tape

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Teflon®	FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 6.655 mm

Pair

Pair Color Code Chart:

Number	Color
1	Blue & White with Blue Stripe
2	Orange & White with Orange Stripe

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 61.165 Kg/Km

Max. Recommended Pulling Tension: 289.133 N

Min. Bend Radius/Minor Axis: 139.700 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	9696

Surface Printing (Overall)

Surface Printing:	BELDEN-E 89696 E108998 2PR22 200C SHIELDED (UL) CMP C(UL)
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

100

Nom. Inductance:

Inductance (µH/m)

0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

50.8555

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

88.587

Nominal Velocity of Propagation:

VP (%)

69.5

Nominal Delay:

Delay (ns/m)

4.79026

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

54.1365

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

13.7802

METRIC MEASUREMENT VERSION

89696 Multi-Conductor - Low Capacitance Computer and Computer P.O.S. Cable

Max. Attenuation:

()	Freq. (MHz)
1.3124	.3
1.73893	.6
2.13265	1.0
2.55918	1.5

Max. Operating Voltage - UL:

Voltage
300 V RMS

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89696 0101000	1,000 FT	46.000 LB	BLACK	C	2 PR #22 FEP SH FEP

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-15-2016

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