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1-800-Belden1



General Description:

22 AWG solid BC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® shield (100% coverage) + TC braid (58% coverage), 22 AWG solid TC drain wire, PVC 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 Material
PE - Polyethylene

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	58

Outer Shield Drain Wire AWG:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.290 in.

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: -30°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 62 lbs/1000 ft.

Max. Recommended Pulling Tension: 64 lbs.

Min. Bend Radius/Minor Axis: 3 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2919 (30 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes

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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
Non-Plenum Number:	89696

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
100

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
16

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)
14.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.2

Max. Attenuation:

()	Freq. (MHz)	Attenuation (dB/100 ft.)
.4	0.300	0.400
.53	0.600	0.530
.6	1.000	0.600
.78	1.500	0.780

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9696 0101000	1,000 FT	44.000 LB	BLACK	C	2 PR #22 PE SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).