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1-800-Belden1



General Description:

22 AWG stranded (19x34) tinned copper conductors, foam FEP Teflon® insulation, Duofoil® (100% coverage) plus a stranded tinned copper drain wire, FEP Teflon jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	19x34	TC - Tinned Copper	0.7874

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	7.0612

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	19x34	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 7.798 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Yellow

Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)	Direction
76.2	13.124	Left Hand Lay

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 72.475 Kg/Km

Max. Recommended Pulling Tension: 124.550 N

Min. Bend Radius/Minor Axis: 88.900 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): 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

MIL 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: 9182

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

150

Nom. Inductance:

Inductance (µH/m)

0.95149

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

28.8728

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

54.1365

Nominal Velocity of Propagation:

VP (%)

78

Nominal Delay:

Delay (ns/m)

4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

45.934

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

20.6703

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.3124
10	3.9372
50	8.8587
100	14.1083
200	20.3422
400	28.8728

Max. Operating Voltage - UL:

Voltage

300 V RMS (CMP)

150 V RMS (CL2P)

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. Other Maximum Continuous Currents: 2.9 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89182 0085000	5,000 FT	255.000 LB	GRAY	C	2 #22 FFEP FS FEP
89182 0101000	1,000 FT	53.000 LB	BLACK	C	2 #22 FFEP FS FEP
89182 0105000	500 FT	28.000 LB	BLACK	C	2 #22 FFEP FS FEP
89182 0105000	5,000 FT	255.000 LB	BLACK		2 #22 FFEP FS FEP
89182 0605000	5,000 FT	0.000	CHROME		2 #22 FFEP FS FEP

Notes:

C = CRATE REEL PUT-UP.

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