

For more Information
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1-800-Belden1



General Description:

25 AWG stranded (7x33) tinned copper conductors, polyethylene insulation, Beldfoil® shield (100% coverage), stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	25	7x33	TC - Tinned Copper	0.5334

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.787

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

Overall Cable

Overall Nominal Diameter: 6.096 mm

Pair

Pair Color Code Chart:

Number	Color
1	Blue & Clear

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2092)
Bulk Cable Weight:	37.205 Kg/Km
Max. Recommended Pulling Tension:	75.619 N
Min. Bend Radius/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2092 (300 V 60°C)
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):	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
MII Order #39 (China RoHS):	Yes

Flame Test

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

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:****Impedance (Ohm)**

124

Nom. Inductance:**Inductance (µH/m)**

0.616828

Nom. Capacitance Conductor to Conductor:**Capacitance (pF/m)**

40.0282

Nom. Capacitance Cond. to Other Conductor & Shield:**Capacitance (pF/m)**

72.182

Nominal Velocity of Propagation:**VP (%)**

66

Nominal Delay:**Delay (ns/m)**

5.05274

Nom. Conductor DC Resistance:**DCR @ 20°C (Ohm/km)**

104.336

Nominal Outer Shield DC Resistance:**DCR @ 20°C (Ohm/km)**

39.372

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
10	5.5777
50	11.8116
100	16.405
200	22.6389
400	31.4976

Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	UL AWM Style 2092

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9271 006U1000	305 MT	12.247 KG	BLUE, LIGHT		TW PR FS PVC
9271 006100	30 MT	1.452 KG	BLUE, LIGHT		TW PR FS PVC
9271 0061000	305 MT	12.701 KG	BLUE, LIGHT	C	TW PR FS PVC
9271 006500	152 MT	6.350 KG	BLUE, LIGHT	C	TW PR FS PVC

Notes:

C = CRATE REEL PUT-UP.

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9271 Twinax - Twinaxial Cable

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