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1-800-Belden1



Description:

24 AWG stranded (7x32) TC conductors, Polyolefin insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	24	7x32	TC - Tinned Copper	0.6096

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PO - Polyolefin	0.2032	1.016

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
24	7x32		TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.6096

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Nominal Diameter: 3.327 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
44.449825	22.475

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	16.370 Kg/Km
Max. Recommended Pulling Tension:	73.395 N
Min. Bend Radius (Install)/Minor Axis:	38.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance ($\mu\text{H}/\text{m}$)

0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

101.711

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

190.298

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

76.4473

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

52.1679

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

1.05 Amps per conductor @ 25°C

Notes (Overall)

Notes: Jacket and shield are bonded so both can be removed with automatic stripping equipment.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1508A B591000	305 MT	4.990 KG	BLACK, MATTE	C	1 PR #24 PO FS PVC
1508A B59500	152 MT	2.948 KG	BLACK, MATTE		1 PR #24 PO FS PVC

Notes:

C = CRATE REEL PUT-UP.

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