

1175A Multi-Conductor - T1/DS1 Central Office Interconnect/Cross Connect Cable

For more Information
please call

1-800-Belden1



General Description:

22 AWG solid tinned copper conductors, twisted pairs, polyethylene insulation, overall Beldfoil® shield (100% coverage), 24 AWG solid tinned copper drain wire, PVC jacket.

Usage (Overall)

Suitable Applications: Bits Timing Cable, DS1, T1, Central Office, Cross-Connect, Interconnect

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	Solid	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material
PE - Polyethylene

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	Solid	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 4.953 mm

Pair

Pair Color Code Chart:

Number	Color
1	Blue & White

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	25.299 Kg/Km
Max. Recommended Pulling Tension:	68.947 N
Min. Bend Radius/Minor Axis:	50.800 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

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): 08/19/2005

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: UL1666 Riser

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

100

Nom. Inductance:

Inductance (µH/m)

0.78744

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

55.777

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

54.7927

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

.772 1.47645

1 1.6405

4 2.88728

10 4.5934

20 6.562

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

4.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1175A 0021000	1,000 FT	19.000 LB	RED	C	2 #22 HDPE FS PVC
1175A 00210000	10,000 FT	180.000 LB	RED	C	2 #22 HDPE FS PVC
1175A 0025000	5,000 FT	90.000 LB	RED	C	2 #22 HDPE FS PVC

METRIC MEASUREMENT VERSION

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1175A 0026600	6,600 FT	118.800 LB	RED	C	2 #22 HDPE FS PVC
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Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 05-29-2009

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