

## 7839A Multi-Conductor - T1/DS1 Central Office Interconnect/Cross Connect Cable



For more Information  
please call

1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
6	22	Solid	TC - Tinned Copper	.0264

#### Insulation

##### Insulation Material:

Insulation Material
FRPO - Flame Retardant Polyolefin

#### 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	Solid	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cabling

Overall Nominal Diameter: 0.380 in.

#### Pair

##### Pair Color Code Chart:

Number	Color
1	White/Blue Stripe & Blue/White Stripe
2	White/Orange Stripe & Orange/White Stripe
3	White/Green Stripe & Green/White Stripe
4	White/Brown Stripe & Brown/White Stripe
5	White/Gray Stripe & Gray/White Stripe
6	Red/Blue Stripe & Blue/Red Stripe

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	70 lbs/1000 ft.
Max. Recommended Pulling Tension:	93.600 lbs.
Min. Bend Radius (Install)/Minor Axis:	3.500 in.



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### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: MPR/CMR

CEC/C(UL) Specification: CMR

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 10/13/2005

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/ft)

0.21

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

16

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

29

#### Nominal Velocity of Propagation:

VP (%)

66

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15.4

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.6

#### Nom. Attenuation:

Attenuation (dB/1000 ft.)

4.3 @ 772 KHz

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

3.5 Amps per conductor @ 20°C

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### Electrical Characteristics-Premise (Overall)

#### Premise

##### Minimum NEXT:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	NEXT (dB)
	.772			50

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7839A 0601000	1,000 FT	79.000 LB	CHROME	C	6 PRS #22 FRPP FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

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