
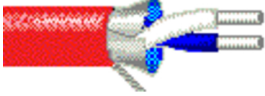


Product: [1175A](#) 

T1/DS1 Central Office, #22-1pr, Shielded, CMR/CMG



## Product 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.

## Technical Specifications

### Product Overview

Suitable Applications:	Bits Timing Cable, DS1, T1, Central Office, Cross-Connect, Interconnect
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	Solid	TC - Tinned Copper	0.0254 in	1

Conductor Count:	2
Total Number of Pairs:	1

#### Insulation

Material
PE - Polyethylene

#### Color Chart

Number	Color
1	Blue & White

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.01975 in	24	Solid

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.195 in	0.020 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance
16.7 Ohm/1000ft	16.7 Ohm/1000ft	

#### Capacitance

Nom. Capacitance Conductor to Conductor
17 pF/ft

#### Inductance

Nominal Inductance
0.24 µH/ft

## Impedance

### Nominal Characteristic Impedance

100 Ohm

## High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
0.772 MHz	0.45 dB/100ft
1 MHz	0.5 dB/100ft
4 MHz	0.88 dB/100ft
10 MHz	1.4 dB/100ft
20 MHz	2 dB/100ft

## High Freq

### Frequency [MHz]

0.772 MHz  
1 MHz  
4 MHz  
10 MHz  
20 MHz

## Current

### Max. Recommended Current [A]

4.5 Amps per Conductor at 25°C

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Operating Temp Range: -20°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight: 17 lbs/1000ft  
Max. Pull Tension: 15.5 lbs  
Min Bend Radius/Minor Axis: 2 in

## Standards

NEC/(UL) Compliance: CMR  
CEC/C(UL) Compliance: CMG

## Applicable Environmental and Other Programs

Environmental Space: Indoor - Riser  
EU Directive 2000/53/EC (ELV): Yes  
EU Directive 2003/11/EC (BFR): Yes  
EU Directive 2011/65/EU (ROHS II): Yes  
EU Directive 2012/19/EU (WEEE): Yes  
EU Directive 2015/863/EU: Yes  
EU Directive Compliance: EU Directive 2003/11/EC (BFR)  
EU CE Mark: No  
EU RoHS Compliance Date (yyyy-mm-dd): 2005-08-19  
MII Order #39 (China RoHS): Yes

## Suitability

Suitability - Indoor: Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability: UL1666 Riser  
UL voltage rating: 300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
1175A 0021000	Red	Reel	1,000 ft	612825107859
1175A 0025000	Red	Reel	5,000 ft	612825107873
1175A 0026600	Red	Reel	6,600 ft	612825107880
1175A 00210000	Red	Reel	10,000 ft	612825107866

Footnote: C - CRATE REEL PUT-UP.

### History

Update and Revision: Revision Number: 0.238 Revision Date: 09-30-2020

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