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1-800-Belden1



### Description:

22 AWG stranded (7x30) TC conductors, polypropylene 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
1	22	7x30	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.254

#### 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	0.508

#### Overall Cabling

Overall Nominal Diameter: 3.632 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
44.449825	22.508

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	20.835 Kg/Km
Max. Recommended Pulling Tension:	111.205 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

### 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)

55

### Nom. Inductance:

Inductance (µH/m)

0.59058

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

98.43

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

Capacitance (pF/m)

177.174

### Nominal Velocity of Propagation:

VP (%)

66

### Nominal Delay:

Delay (ns/m)

4.9215

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

59.058

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

2.3 Amps per conductor @ 25°C

### Notes (Overall)

**Notes:** Unique design features lower capacitance and greater flexibility than standard audio pair constructions.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1266A 001U1000	305 MT	6.804 KG	BROWN		2 #22 PP FS PVC
1266A 002U1000	305 MT	6.804 KG	RED		2 #22 PP FS PVC
1266A 003U1000	305 MT	6.804 KG	ORANGE		2 #22 PP FS PVC
1266A 004U1000	305 MT	6.804 KG	YELLOW		2 #22 PP FS PVC
1266A 005U1000	305 MT	6.804 KG	GREEN, DARK		2 #22 PP FS PVC
1266A 006U1000	305 MT	6.804 KG	BLUE, LIGHT		2 #22 PP FS PVC
1266A 007U1000	305 MT	6.804 KG	VIOLET		2 #22 PP FS PVC
1266A 008U1000	305 MT	6.804 KG	GRAY		2 #22 PP FS PVC
1266A 009U1000	305 MT	6.804 KG	WHITE		2 #22 PP FS PVC
1266A 010U1000	305 MT	6.804 KG	BLACK		2 #22 PP FS PVC
1266A 0101000	305 MT	6.804 KG	BLACK	C	2 #22 PP FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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