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please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) tinned copper conductors, conductors cabled, polypropylene insulation, overall Beldfoil® aluminum-polyester shield (100% coverage), 22 AWG stranded tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	22	7x30	TC - Tinned Copper

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.229

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	19x34	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.508

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White

Overall Nominal Diameter: 3.683 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +90°C
Bulk Cable Weight:	23.811 Kg/Km
Max. Recommended Pulling Tension:	128.998 N
Min. Bend Radius/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 Directive 2011/65/EU (ROHS II):	Yes
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

## METRIC MEASUREMENT VERSION

### 9770 Multi-Conductor - Audio, Control and Instrumentation Cable

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

#### Plenum/Non-Plenum

Plenum (Y/N): No

#### Electrical Characteristics (Overall)

##### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

104.992

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

Capacitance (pF/m)

196.86

##### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

52.496

##### Max. Operating Voltage - UL:

Voltage

300 V RMS

##### Max. Recommended Current:

Current

3 Amps per conductor @ 25°C

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9770 001U1000	1,000 FT	18.000 LB	BROWN		3 #22 PP SHLD PVC
9770 001U500	500 FT	9.500 LB	BROWN		3 #22 PP SHLD PVC
9770 0011000	1,000 FT	18.000 LB	BROWN	C	3 #22 PP SHLD PVC
9770 001500	500 FT	9.000 LB	BROWN		3 #22 PP SHLD PVC
9770 0015000	5,000 FT	85.000 LB	BROWN		3 #22 PP SHLD PVC

#### Notes:

C = CRATE REEL PUT-UP.

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