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1-800-Belden1



## Description:

22 AWG stranded (7x30) tinned copper conductor, polypropylene insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall PVC jacket and 22 AWG stranded tinned copper drain wire.

## Physical Characteristics (Overall)

### Conductor

**AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
9	22	7x30	TC - Tinned Copper	0.762

### Insulation

**Insulation Material:**

Insulation Material	Dia. (mm)
PP - Polypropylene	1.27

### Inner Shield

**Inner Shield Material:**

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

**Inner Shield Drain Wire AWG:**

AWG
22

**Inner Shield Drain Wire Stranding:** Stranded

**Inner Shield Drain Wire Conductor Material:** TC - Tinned Copper

### Outer Shield

**Outer Shield Material:**

Outer Shield Material
Unshielded

### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cabling

**Overall Nominal Diameter:** 10.414 mm

### Pair

**Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White

9	Red & Green
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**Pair Lay Length & Direction:**

Lay Length (mm)	Twists/ft. (twist/m)
44.449825	22.475

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	161.619 Kg/Km
Max. Recommended Pulling Tension:	1023.086 N
Min. Bend Radius (Install)/Minor Axis:	104.775 mm

### Applicable Specifications and Agency Compliance (Overall)

**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2919 (30 V 80°C)
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)
50

**Nom. Inductance:**

Inductance (µH/m)
0.059058

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)
98.43

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

Capacitance (pF/m)
180.455

**Nominal Velocity of Propagation:**

VP (%)
66

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
49.215

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 34.779 Ohm/km

**Max. Operating Voltage - UL:**

Voltage
30 V RMS (UL AWM Style 2919)
300 V RMS (CM)

**Max. Recommended Current:**

Current
1.4 Amps per conductor @25°C

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8774 060100	30 MT	4.990 KG	CHROME		9 FS PR #22 HDPE PVC
8774 0601000	305 MT	49.442 KG	CHROME	C	9 FS PR #22 HDPE PVC
8774 060250	76 MT	13.494 KG	CHROME	C	9 FS PR #22 HDPE PVC
8774 060500	152 MT	25.174 KG	CHROME	C	9 FS PR #22 HDPE PVC

**Notes:**  
C = CRATE REEL PUT-UP.

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