



## 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. (in.)
9	22	7x30	TC - Tinned Copper	.030

### Insulation

**Insulation Material:**

Insulation Material	Dia. (in.)
PP - Polypropylene	.050

### 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:** 0.410 in.

### 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 (in.)	Twists/ft. (twist/ft)
1.750	6.850

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-20°C To +80°C
<b>UL Temperature Rating:</b>	80°C (UL AWM Style 2919)
<b>Bulk Cable Weight:</b>	108.600 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	230 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	4.125 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CM
<b>CEC/C(UL) Specification:</b>	CM
<b>AWM Specification:</b>	UL Style 2919 (30 V 80°C)
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2004
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading
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#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

<b>Impedance (Ohm)</b>
50

#### Nom. Inductance:

<b>Inductance (µH/ft)</b>
.018

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/ft)</b>
30

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

<b>Capacitance (pF/ft)</b>
55

#### Nominal Velocity of Propagation:

<b>VP (%)</b>
66

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/1000 ft)</b>
15

## 8774 Multi-Conductor - CM Rated Cable

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 10.600 Ohm/1000 ft

### 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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8774 060100	100 FT	11.000 LB	CHROME		9 FS PR #22 HDPE PVC
8774 0601000	1,000 FT	109.000 LB	CHROME	C	9 FS PR #22 HDPE PVC
8774 060250	250 FT	29.750 LB	CHROME	C	9 FS PR #22 HDPE PVC
8774 060500	500 FT	55.500 LB	CHROME	C	9 FS PR #22 HDPE PVC

#### Notes:

C = CRATE REEL PUT-UP.

