# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 9774 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information please call

1-800-Belden1



# **Description:**

18 AWG stranded (19x30) TC conductors, polypropylene insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 20 AWG stranded TC drain wire, PVC jacket.

# **Physical Characteristics (Overall)**

#### Conductor

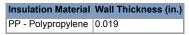
#### AWG:

# Pairs	AWG	Stranding	Conductor Material
6	18	19x30	TC - Tinned Copper

Total Number of Conductors: 12

#### Insulation

#### **Insulation Material:**



#### **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:



Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### **Outer Jacket**

#### **Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.052

#### **Overall Cable**

Overall Nominal Diameter: 0.560 in.

#### Pair

## Pair Color Code Chart:

I	Number	Color
ı	1	Black & Red
ı	2	Black & White
ı	3	Black & Green
ı	4	Black & Blue
ı	5	Black & Yellow
ı	6	Black & Brown

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	158 lbs/1000 ft.

Page 1 of 3 09-04-2012

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**AWM Specification:** 



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	Max. Recommended Pulling Tension:	354 lbs.			
	Min. Bend Radius/Minor Axis:	5.750 in.			
Ap	Applicable Specifications and Agency Compliance (Overall)				
Αp	Applicable Standards & Environmental Programs				
	NEC/(UL) Specification:	CM			
	CEC/C(UL) Specification:	CM			

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

Plenum/Non-Plenum

Plenum (Y/N): No

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Inductance:

Inductance (µH/ft) .18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

**Nominal Velocity of Propagation:** 

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Ind. Pair Nominal Shield DC Resistance @ 20 8.300 Ohm/1000 ft Deg. C:

Max. Operating Voltage - UL:

Voltage Description 30 V RMS AWM Style 2919 300 V RMS CM

Max. Recommended Current:

Current 3.64 Amps per conductor @ 25°C

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## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9774 060100	100 FT	17.800 LB	CHROME	С	6 FS PR #18 PP PVC
9774 0601000	1,000 FT	173.000 LB	CHROME	С	6 FS PR #18 PP PVC
9774 060500	500 FT	88.000 LB	CHROME	С	6 FS PR #18 PP PVC
9774 0605000	5,000 FT	875.000 LB	CHROME		6 FS PR #18 PP PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-16-2012

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