

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:**

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.019

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
20

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:**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
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.

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Max. Recommended Pulling Tension:	354 lbs.
Min. Bend Radius/Minor Axis:	5.750 in.

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/ft)
.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
55

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.4

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

9774 Multi-Conductor - Audio, Control and Instrumentation Cable**Put Ups and Colors:**

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

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