Detailed Specifications & Technical Data

METRIC 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

Insulation

Insulation Material:

Insulation Material PP - Polypropylene

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 PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 14.224 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

Pair Lay Length & Direction:

Lay Length (mm) 44.449825

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

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UL Temperature Rating:	80°C (UL AWM Style 2919)		
Bulk Cable Weight:	258.917 Kg/Km		
Max. Recommended Pulling Tension:	1574.660 N		
Min. Bend Radius (Install)/Minor Axis:	144.780 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

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance	(Ohm)
50	

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:

Capacitance	(pF/m)
98.43	

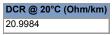
Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Ind. Pair Nominal Shield DC Resistance @ 20 27.232 Ohm/km Deg. C:

Max. Operating Voltage - UL:

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

Max. Recommended Current:

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Current
3.64 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
9774 060100	30 MT	8.074 KG	CHROME	С	6 FS PR #18 PP PVC
9774 0601000	305 MT	78.472 KG	CHROME	С	6 FS PR #18 PP PVC
9774 060500	152 MT	39.916 KG	CHROME	С	6 FS PR #18 PP PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-17-2008

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