# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



# 9773 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



### **General 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
3	18	19x30	TC - Tinned Copper

Total Number of Conductors: 6

#### Insulation

#### **Insulation Material:**

# Insulation Material Wall Thickness (mm) PP - Polypropylene | 0.483

#### **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 (mm)
PVC - Polyvinyl Chloride	0.889

#### **Overall Cable**

Overall Nominal Diameter: 10.262 mm

#### Pair

### Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	125.009 Kg/Km
Max. Recommended Pulling Tension:	787.331 N
Min. Bend Radius/Minor Axis:	107.950 mm

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Applicable Specifications and Agency Compliance (Overall)				
Applicable Standards & Environmental Programs				
NEC/(UL) Specification:	CM			
NEC Articles:	800			
CEC/C(UL) Specification:	CM			
AWM Specification:	UL Style 2919 (30 V 80°C)			
EU Directive 2011/65/EU (ROHS II):	Yes			
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			
CSA Flame Test:	FT1			
Suitability				
Suitability - Indoor:	Yes			
Plenum/Non-Plenum				
Plenum (Y/N):	No			

# **Electrical Characteristics (Overall)**

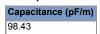
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 20.9984

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

Max. Operating Voltage - UL:

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

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#### Max. Recommended Current:

Description	Current	
10C Temperature Rise	3.6 Amps per conductor @ 25°C ambient	

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9773 060100	30 MT	4.264 KG	CHROME		3 FS PR #18 PP PVC
9773 0601000	305 MT	42.184 KG	CHROME	С	3 FS PR #18 PP PVC
9773 060500	152 MT	20.639 KG	CHROME	С	3 FS PR #18 PP PVC
9773 0605000	1,524 MT	219.993 KG	CHROME	С	3 FS PR #18 PP PVC

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-05-2013

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