Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

9775 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
9	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:

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
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter:	0.655 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

Pair Lay Length & Direction:

Lay Length (in.)
1.750

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Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	244.650 lbs/1000 ft.
Max. Recommended Pulling Tension:	530 lbs.
Min. Bend Radius (Install)/Minor Axis:	6.500 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

Plenum/Non-Plenum

Plenum (Y/N):	No

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

Max. Operating Voltage - UL:

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

Max. Recommended Current:

Current
2.7 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
9775 060100	100 FT	27.700 LB	CHROME		9 FS PR #18 PP PVC
9775 0601000	1,000 FT	260.000 LB	CHROME	C	9 FS PR #18 PP PVC
9775 060500	500 FT	129.500 LB	CHROME	C	9 FS PR #18 PP PVC

Notes:
C = CRATE REEL PUT-UP.

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