

Part Number: 8774

Audio, Control & Instrument, #22-9pr, PO, Individ. Foil, PVC Jkt, CM



Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductor, polypropylene insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall PVC jacket and 22 AWG stranded tinned copper drain wire.

Technical Specifications

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	18	9

Conductor Count:	18
Conductor Size:	22 AWG

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.011 in

Color 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

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	Stranded mm

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.41 in	0.034 in

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
10.6 Ohm/1000ft	15 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	55 pF/ft

Shielding:	Individually Foiled + No Overall
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Inductance

Nominal Inductance
0.018 µH/ft

Impedance

Nominal Characteristic Impedance
50 Ohm

Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
66 ns/100m	66 %

Current

Max. Recommended Current [A]
1.4 Amps per conductor @ 25°C A

Voltage

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

Mated Connection

Max. Insertion Loss Belden** (dB)
10.3 dB

UL Temp Rating:	80°C (UL AWM Style 2919)
Operating Temp Range:	-20°C To +80°C
Bulk Cable Weight:	101 lbs/1000ft
Max Recommended Pulling Tension:	230 lbs
Min Bend Radius/Minor Axis:	4.25 in
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
UL AWM Style:	2919 (30 V 80°C)
CPR Euroclass:	Eca
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
UL Flammability:	UL1685 UL Loading
UL voltage rating:	30 V RMS (UL AWM Style 2919)
Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
8774 060100	Chrome	
8774 0601000	Chrome	C
8774 060250	Chrome	C
8774 060500	Chrome	C

Footnote:	C - CRATE REEL PUT-UP.
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