



Part Number: 9773

Audio, Control & Instrument, #18-3pr, PO, Indiv. Foil, PVC Jkt, CM

Product Description

Audio, Control & Instrument Cable, 18 AWG stranded (19x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually shielded with Beldfoil® (100% coverage), 20 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conduc	Conductor					
AWG	Stranding	Material	No. of Conductors	No. of Pairs		
18	19x30	TC - Tinned Copper	6	3		
Condu	Conductor Count:					
Total N	Total Number of Pairs:					
Condu	Conductor Size:					

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.019 in

Color Chart

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

Color Chart 2



Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Таре	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	20	Stranded mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.404 in	0.035 in

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
8.3 Ohm/1000ft	6.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Oth	ner Conductor to Shield
30 pF/ft	55 pF/ft	
Shielding:		Individually Foiled + No C

Inductance

Nominal Inductance 0.18 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]

Per conductor @ 25°C: 3.6 A

10C Temperature Rise	
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Voltage

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

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2919)
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	84 lbs/1000ft
Max Recommended Pulling Tension:	177 lbs
Min Bend Radius/Minor Axis:	4.25 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
UL AWM Style:	2919 (30 V 80°C)
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

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 2015/863/EU:	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	

Suitability

Suitability - Indoor:	Yes	

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading	
CSA Flammability:	FT1	
UL voltage rating:	300 V RMS (CM)	

Plenum/Non-Plenum

Plenum (Y/N):	N

Part Number

Variants

Item #	Color	Footnote
9773 060100	Chrome	
9773 0601000	Chrome	С
9773 060500	Chrome	С
9773 0605000	Chrome	С

Footnote: C - CRATE REEL PUT-UP.

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