

Part Number: 8777

Audio, Control & Instrument, #22-3pr, PO, Indiv. Foil, PVC Jkt, CM

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	3

Conductor Count:	6
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

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum-Polyester	Beldfoil®	100 %	TC - Tinned Copper	22	7x30

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.273 in	0.034 in

Construction and Dimensions

Stranding

Lay Direction	Twists
Left Hand	6.9 twist/ft

Electrical Characteristics

Conductor DCR

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

Capacitance

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

Inductance

Nominal Inductance
0.18 µH/ft

Impedance

Nominal Characteristic Impedance
50 Ohm

High Frequency (Nominal/Typical)

Nom. Insertion Loss
10.7 dB/100m
10.7 dB/100m

Delay

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

Current

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

Current Table Note:	10C Temperature Rise

Voltage

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

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2919)
Storage Temp Range:	-40°C To +80 °C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	39 lbs/1000ft
Max Recommended Pulling Tension:	79 lbs
Min Bend Radius/Minor Axis:	2.75 in

Dimensions (WxHxD)

Width
10.69

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 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 - Hazardous Locations:	Yes
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):	No
Plenum Number:	88777, 87777, 82777

Part Number

Variants

Item #	Color	Footnote
8777.001000	Chrome	
8777.0030	Chrome	
8777.00305	Chrome	
8777.00U152	Chrome	
8777.00U305	Chrome	
8777.01152	Chrome	
8777.013048	Chrome	
8777 060100	Chrome	
8777 0601000	Chrome	C
8777 06010000	Chrome	C Y
8777 0601640	Chrome	C
8777 060250	Chrome	C
8777 0603280	Chrome	C
8777 060500	Chrome	C
8777 0605000	Chrome	C
8777 060U1000	Chrome	
8777 060U500	Chrome	

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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