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Description

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J. LUPA

6/19/09

1st Approval

R. ZOPPA

6/19/09

2nd Approval

Best-Tronics Mfg., Inc. • 18500 Graphic Court, Tinley Park, Illinois 60477 • (708) 802-9677 • www.best-tronics.com


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▶ Twisted Pair Multi Channel Microphone Cable (MR202-AT Series)



Product Image

Product Name

Twisted Pair Multi Channel Microphone Cable

Model Number

MR202-AT Series

A practical, 100% foil shielded multichannel audio snake cable for general purpose studio applications. Each individually isolated channel consists of 2 twisted conductors under an easy-to-strip PVC jacket extruded over a foil shield and drain wire. The color striped PVC channel jacket alleviates the need to use costly shrink tubing. Surprisingly flexible, this multichannel cable is perfect for control room layout and interfacing between equipment racks, audio patchbays, mixers and tape decks.

Applications

Microphones
Audio Rack Wiring
Recording Suites
Post Production

Features

Foil Shield with Drain Wire
Variety Channels

MECHANICAL SPECIFICATIONS

Model	Std. Lng. ft. (m)	No. of Channels (Pairs)	No. of Cond. (2 Per Channel)	Wt Std. Lng. lbs (kgs)	Nom. O.D. in.	PVC Jacket Nom. Thick. in. (mm)	Brittle Point F° (C°)
MR202-2AT		2	4	12 (5)	.264	.032 (0.8)	
MR202-4AT		4	8	17 (8)	.299	.032 (0.8)	
MR202-8AT		8	16	35 (16)	.433	.039 (1.0)	
MR202-12AT	328 (100)	12	24	46 (21)	.500	.047 (1.2)	-4 (-20)
MR202-16AT		16	32	57 (26)	.551	.047 (1.2)	
MR202-24AT		24	48	86 (39)	.685	.051 (1.3)	
MR202-32AT		32	64	88 (40)	.752	.059 (1.5)	

(contd.) MECHANICAL SPECIFICATIONS

Model	Channel O.D. in. (mm)	Channel Jacket Nom. Thick. mil	Insul. Type* Thick mil	Cond-AWG (Qty./mil) Cross Sec. Area mil. ²	Pitch of Pairs in. (mm)	Shield Coverage
MR202-AT Series	.106 (2.7)	11.8	IPE 9.1	AC - #25 (7/7.09) 279	<.99 (<25)	100% Alum. Tape Drain Wire #25 AWG

*Dielectric Strength = 500V AC/1min. Insulation Resistance/3Mft = >1000M ohm.

**Effective AWG of combined twin conductors.

ELECTRICAL PERFORMANCE

Model	Cond. D.C.R. ohm/1000ft (ohm/ 100m)	Shield D.C.R. ohm/1000ft (ohm/ 100m)	Nom. Cap. *** pF/ft (pF/m)	Nom. Cap. † pF/ft (pF/m)	Nom. Imp. ohm	Nom. Atten. V/1000ft (V/100m)	Group Delay Time nS/ft (nS/m)	X-Talk Input 3.31V mV/1000ft (mV/ 100m)
MR202-AT Series	<32.5 (<10.7)	-	23.2 (76)	43.3 (142)	-	-	-	-

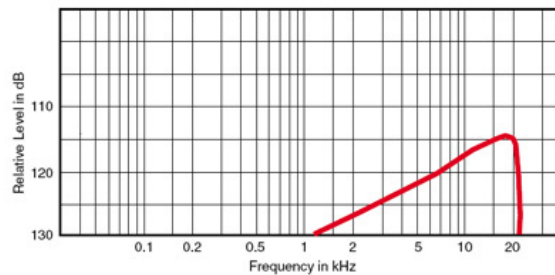
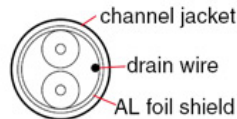
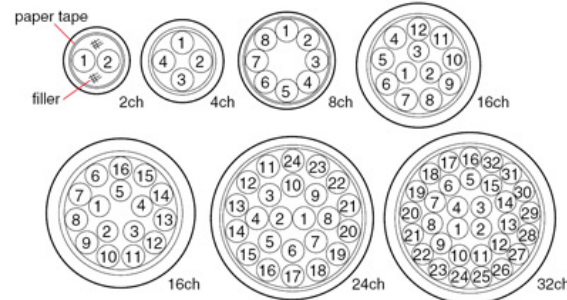
***Capacitance between conductors.

†Capacitance between conductors to shield.

COLORS AVAILABLE

Model	Black	Blue	Brown	Gray	Green	Orange	Purple	Red	White	Yellow
MR202-AT Series	[+]	- -	- -	- -	- -	- -	- -	- -	- -	- -

[+]=Standard Color, [o]=Available Color, "- -"=n/a

**MR202-24AT Crosstalk****Cross Section****Individual Channel****MR202-AT Cross Section Multichannel Bundle****Channel Color Code**

Ch. No.	1	2	3	4	5	6	7	8	9	10	11	12
Insulator Color*	BRN	RED	ORN	YEL	GRN	BLU	PPL	GRY	WHT	BLK	BRN	RED
Spiral Markers	BRN	RED	ORN	YEL	GRN	BLU	PPL	GRY	WHT	BLK	~	RED
Inner Jacket	BLK										BRN	

Channel Color Code

Ch. No.	13	14	15	16	17	18	19	20	21	22	23	24
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Insulator Color*	ORN	YEL	GRN	BLU	PPL	GRY	WHT	BLK	BRN	RED	ORN	YEL
Spiral Markers	ORN	YEL	GRN	BLU	PPL	GRY	WHT	BLK	BRN	~	ORN	YEL
Inner Jacket					BRN					RED		

Channel Color Code												
Ch. No.	25	26	27	28	29	30	31	32				
Insulator Color*	GRN	BLU	PPL	GRY	WHT	BLK	BRN	RED				
Spiral Markers	GRN	BLU	PPL	GRY	WHT	BLK	BRN	RED				
Inner Jacket				RED				ORN				

*Insulator in the unit: one is same color as Spiral Marker and other is clear.

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