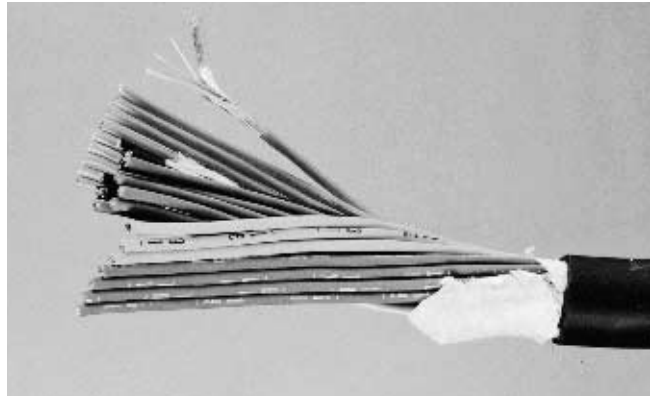


# SNAKE CABLES (MULTICORE MIC.CABLES)



**Mogami multicore cables are designed for the highest level of audio performance and feature superb electrical and mechanical characteristics while remaining compact, superflexible and easy to use.**

- CL2 rated version available. Conductor size of CL2 rated version is thicker #25AWG so that it is also recommended for rugged application and firm and easier crimp terminal connector wiring as well as NEC fire regulation requirement.
  
- Individually twisted shielded pairs, available in 2 to 48 channels.
- Rugged and flexible construction that is easy to handle, even at temperatures down to  $-20^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$ ).
- Easy cable identification system:
  - ※Channel numbers are printed and underlined on each core jacket to ensure correct identification, regardless of which end is stripped.
  - ※Outer jackets of each pair are colour coded by standard resistor colour code, allowing quick identification of conductor pairs.
  - ※Inner conductors are also colour coded based on the international standard resistor colour code. Each pair is colour coded by jacket and conductor colour combination.
- Each channel has a drain wire and served ( spiral ) bare copper shield. The drain wire simplify termination and can be crimped by the same size contact as the inner conductor pair.
- XLPE (Cross Linked Polyethylene) insulation provides superb electrical characteristics and will not melt or shrink back during soldering.

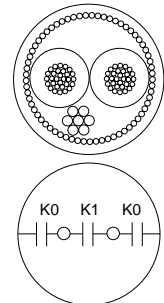
## STANDARD VERSION

Part No.	No. Of Channels	Ov. Dia. (Approx. mm)	Jacket Thickness (Approx. mm)	Weight (kg/100m)(kg/328Ft)	Maximum Length available
2930	2-ch	7.5(0.295")	1.0(0.039")	7	506m (1.659Ft)
2931	4-ch	8.6(0.339")	1.0(0.039")	9	
2932	8-ch	11.5(0.453")	1.2(0.047")	18	
2933	12-ch	14.3(0.563")	1.5(0.059")	28	
2934	16-ch	15.8(0.622")	1.5(0.059")	32	305m (1.000Ft)
2935	19-ch	17.0(0.669")	1.7(0.067")	40	
2936	24-ch	20.0(0.787")	2.0(0.079")	46	
2937	27-ch	20.5(0.807")	2.0(0.079")	58	
2938	32-ch	21.7(0.854")	2.0(0.079")	63	
2939	48-ch	26.0(1.02")	2.0(0.079")	97	200m (656Ft)

( Figures in parenthesis are in inches )

## CABLE CORE SPECS

Conductor	30/0.08A (0.15mm <sup>2</sup> ) #26AWG	(30×#40AWG)
Insulation	1.0 ϕ XLPE (Cross Linked Polyethylene )	(0.039" ϕ)
Drain Wire	7/0.18TA (0.18mm <sup>2</sup> ) #25AWG	(7×#33AWG)
Shield	Approx. 58/0.10A Served (spiral ) Shield	
Jacket(Covering)	2.8 ϕ Flexible PVC	(0.110" ϕ)
Identification	See core number identification table	



Figure(1)

## ELECTRICAL & MECHANICAL CHARACTERISTICS

DC Resistance at 20°C	Inner Pair Conductor	0.13Ω/m ( 0.040Ω/Ft )
	Shield	0.031Ω/m ( 0.0095Ω/Ft )
Capacitance at 1 kHz, 20°C(Partial Capacitance Value ) See Figure (1)	Ko	130pF/m ( 40pF/Ft )
	K1	12pF/m ( 3.7pF/Ft )
Inductance	0.6μH/m ( 0.18μH/Ft )	
Electrostatic Noise (Hum Pick-up )*	2.5mV Max.	
Electromagnetic Noise at 10kHz* ( Inductance of the toroidal core: 595μH)	0.1mV Max.	
Microphonics* Method: Stepping on cable	50mV at 50kΩ Load	
Voltage Breakdown	Must withstand at DC 500V/15sec.	
Insulation Resistance at DC 125V, 20°C	10 <sup>5</sup> MΩ • m Minimum	
Tensile Strength of one pair ( 26°C,65% RH)	274 N	
Emigration	Non-Emigrant to ABS resin	
Applicable Temperature	-20°C~+70°C (-4°F~+158°F)	
Standard	UL13 CL2X 60°C / UL 20002 AWM 30V 60°C VW-1	

\* Using standard testing methods of Mogami Wire & Cable Corp.

REMARKS : Standard EZID models with 19 channels or more are designed for studio applications only. For PA and/or non-statistical applications, use the CL2 rated version.

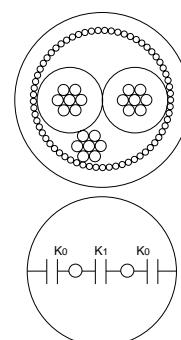
## CL 2 RATED VERSION

Part No.	No. Of Channels	Ov. Dia. (Approx. mm)	Jacket Thickness (Approx. mm)	Weight (kg/100m) (kg/328Ft)	Maximum Lengths available
3040	2-ch	7.8(0.307")	1.0(0.039")	8	305m (1.000Ft)
3041	4-ch	9.0(0.354")	1.0(0.039")	10	
3042	8-ch	12.0(0.472")	1.2(0.047")	19	
3043	12-ch	14.6(0.575")	1.3(0.051")	29	
3044	16-ch	16.3(0.642")	1.4(0.055")	36	
3045	19-ch	17.5(0.689")	1.7(0.067")	44	
3046	24-ch	20.5(0.807")	2.0(0.079")	57	
3047	27-ch	21.0(0.827")	2.0(0.079")	63	
3048	32-ch	22.4(0.882")	2.0(0.079")	73	
3049	48-ch	27.0(1.063")	2.0(0.079")	104	

(Figures in parenthesis are in inches)

## CABLE CORE SPECS

Conductor	7/0.18A (0.178mm <sup>2</sup> ) #25AWG (7×#33AWG)
Insulation	1.05 ϕ XLPE (Cross Linked Polyethylene) (0.0413"ϕ)
Drain Wire	7/0.18A ( Exactly same as conductor )
Shield	Approx. 58/0.10A Served (spiral) Shield
Jacket(Covering)	2.8 ϕ Flexible PVC (0.110"ϕ)
Identification	See core number identification table



Figure(1)

## ELECTRICAL & MECHANICAL CHARACTERISTICS

DC Resistance at 20°C	Inner Pair Conductor	0.11Ω/m ( 0.0336Ω/Ft )
	Shield	0.031Ω/m ( 0.0095Ω/Ft )
Capacitance at 1 kHz, 20°C(Partial Capacitance Value ) See Figure (1)	Ko	140pF/m ( 42.7pF/Ft )
	K1	12pF/m ( 3.7pF/Ft )
Inductance		0.6μH/m ( 0.18μH/Ft )
Electrostatic Noise (Hum Pick-up) *		2.5mV Max.
Electromagnetic Noise at 10kHz * ( Inductance of the toroidal core: 595μH)		0.1mV Max.
Microphonics * Method: Stepping on cable		50mV at 50kΩ Load
Voltage Breakdown		Must withstand at DC 500V/15sec.
Insulation Resistance at DC 125V, 20°C		10 <sup>5</sup> Ω • m Minimum
Tensile Strength of one pair (26°C,65%RH)		274 N
Emigration		Non-Emigrant to ABS resin
Applicable Temperature		-20°C~+70°C (-4°F ~ +158°F)
Standard		UL13 CL2 60°C

\* Using standard testing methods of Mogami Wire & Cable Corp.