

# NEW

# MOGAMI



# Polar Flex

## EXTREME TEMPERATURE BALANCED MICROPHONE CABLE



A superior quality, extremely durable yet highly flexible microphone cable for demanding live & remote broadcast applications. Special TPE jacket maintains flexibility down to minus 40°C (minus 40°F). The basic construction uses the same exclusive 105-strands conductors and braided shield of our excellent 2791 stage cable for extraordinary flex life and unmatched sound. Available in black and white.

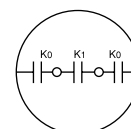
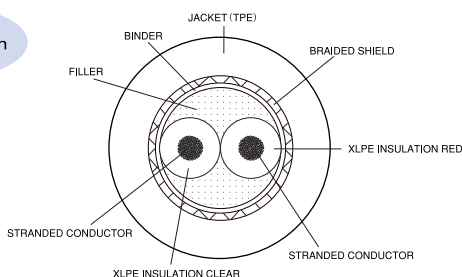
### SPECIFICATIONS

Part No.		3284
No. of Conductor		2
Conductor	Details	105/0.05 A
	Size(mm <sup>2</sup> )	0.206mm <sup>2</sup> (# 24AWG)
Insulation	Ov. Dia. (mm)	1.5 φ (0.059")
	Material	XLPE( Cross-Linked Polyethylene )
	Colours	Red/Clear
Shield		Braid 16/9/0.10A
Jacket	Ov. Dia. (mm)	5.5 φ (0.217")
	Material	Flexible TPE
	Colours	Black/White
Roll Sizes		100m (328Ft)
Weight per 100m Roll		3.4kg

### ELECTRICAL & MECHANICAL CHARACTERISTICS

Part No.		3284
DC Resistance at 20°C	Inner Cond.	0.09 Ω/m(0.027 Ω/Ft)
	Shield	0.02 Ω/m(0.006 Ω/Ft)
Capacitance at 1kHz, 20°C (Partial C. Value) See below figure *(1)	K <sub>0</sub>	86pF/m(26 pF/Ft)
	K <sub>1</sub>	10pF/m(3.1 pF/Ft)
Inductance between conductors at 1kHz, 20°C		0.8 μH/m (0.24 μH/Ft)
Electrostatic Noise *(2)		250 mV Max.
Electromagnetic Noise *(2)		0.15 mV Max.
Microphonics at 50kΩ Load *(2)		30 mV Max.
Voltage Breakdown		Must withstand at DC 500V/15 sec.
Insulation Resistance		10 <sup>5</sup> MΩ · m Min. at DC 125 V, 20°C
Flex Life *(2)		164,000 cycles
Tensile Strength		578 N
Emigration		Non-Emigrant to ABS
Applicable Temperature		-40°C ~ +60°C (-40°F ~ +140°F)

Configuration



\*(2) Using standard testing methods of Mogami Wire & Cable Corp.

\*(1) Patial Capacitance