

High Quality Balanced Microphone Cable

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Neglex Type #22AWG Balanced Microphone Cable

W2549 has been designed using our famous Neglex OFC to provide the highest quality audio reproduction in any recording application. It features #22AWG conductors and extremely low capacitance. The 100% coverage served shield and twisted pair construction is excellent at preventing noise caused by electromagnetic interference. This cable is recommended when extended high frequencies are important or where long cable runs may be needed.

Part No. W2549



Part No.	W2549
Conductor Size (mm ²)	0.339mm ² (#22AWG)
O.D. (mm)	6.0ø (0.236")
Flex Life	14,500 cycles
Tensile Strength	657 N
Colors	Black / Red / Yellow / Green / Blue

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105 Strand Broadcast Mic. Cable

Excellent for rugged remote and on stage use in Sound Reinforcement, TV, Radio broadcasting etc. Its compact size together with a heavy duty binder and filler system and a braided shield make it ideal for all continuous handling applications. Exhibits very low microphonic pick - up and can operate at very cold temperatures down to -20#176;C (-4#176;F) without losing its flexibility. 105 strands of 44AWG annealed bare copper features ultra flexibility with extraordinary flex life, while maintaining excellent strength characteristics.

Part No. W2791



Part No.	W2791
Conductor Size (mm ²)	0.206mm ² (#24AWG)
O.D. (mm)	5.5ø (0.217")
Flex Life	131,000 cycles
Tensile Strength	578 N
Colors	Black / Red / Yellow / Green / Blue
Braided Shield	Coverage: over 95%

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SPECIFICATIONS

Configuration		
Part No.	W2549	W2791
No. of Conductor	2	
Conductor	Details	30/0.12 OFC
	Size(mm ²)	0.339mm ² (#22 AWG)
Insulation	Ov. Dia.(mm)	1.9Ø (0.075")
	Material	XLPE (Cross-Linked Polyethylene)
	Colors	Blue / Clear
Shield	Served Approx. 64/0.18A	Braid 0.10A/9/16
Jacket	Ov. Dia.(mm)	6.0Ø (0.236")
	Material	Flexible PVC
	Colors	Black / Red / Yellow / Green / Blue
Roll Sizes	50m (164 Ft) 100m (328Ft) 200m (656Ft)	50m (164 Ft) 100m (328Ft) 200m (656Ft)
Weight per 200m Roll	11kg	9kg

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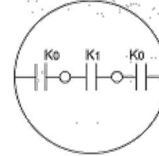
ELECTRICAL & MECHANICAL CHARACTERISTICS

Part No.		W2549	W2791
DC Resistance at 20°C	Inner Cond.	0.058Ω/m(0.018Ω/Ft)	0.09Ω/m(0.027Ω/Ft)
	Shield	0.013Ω/m(0.004Ω/Ft)	0.002Ω/m(0.006Ω/Ft)

Capacitance at 1kHz, 20°C (Partial C. Value) See below figure*	K ₀	76pF/m(23pF/Ft)	86pF/m(26pF/Ft)
	K ₁	11pF/m(3.4pF/Ft)	10pF/m(3.1pF/Ft)
Inductance between conductors at 1kHz, 20°C		0.8μH/m(0.24μH/Ft)	0.8μH/m(0.24μH/Ft)
Electrostatic Noise**		50mV Max.	250mV Max.
Electromagnetic Noise**		0.15mV Max.	0.15mV Max.
Microphonics at 50KΩ Load**		30m V Max.	30m V Max.
Voltage Breakdown		Must withstand at DC 125V/15sec.	
Insulation Resistance		100000 MΩ × m Min. at DC 125V, 20°C	
Flex Life**		14,500 cycles	164,000 cycles
Tensile Strength		657N	578N
Emigration		Non-emigrant to ABS	Non-emigrant to ABS
Applicable Temperature		-20°C~+70°C(-4°F +158°F)	

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

* Patial Capacitance



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