

MICROPHONE CABLES

LOW COST HIGH PERFORMANCE SUPERFLEXIBLE BALANCED MIC. CABLES

A specially developed high performance yet economical series of low impedance balanced microphone cables. These cables are small in size and special rubber-like PVC jacket is extremely flexible and exhibits good resistance to rough handling and abrasion.

High grade insulation material is designed to minimize heat shrinkage during soldering which allows easy termination to XLR type connectors. Available in both overall and individually shielded types.



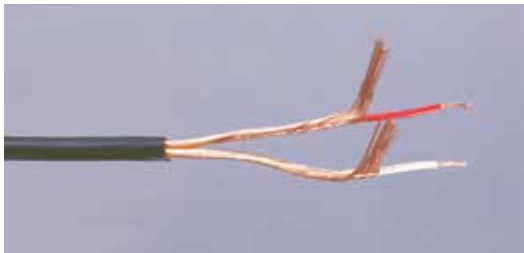
Part No.2552

Part No.2552 & 2582

Superflexible Light Weight Mic.Cables With Overall Shield

Here is an extremely limp and flexible cable for all types of audio/visual and industrial audio applications. XLPE insulation and a strong rubber-like outer jacket makes this cable ideal where a durable yet economical cable is needed.

Part No.	2552	2582
O.D. (mm)	5.0 ϕ (0.197")	6.0 ϕ (0.236")
Flex Life	11,000 cycles	13,800 cycles
Tensile Strength	421N	441N
Colors	Black	Black/Red/Yellow/ Green/Blue/Gray



Part No.2447

Part No.2447 & 2435

Superflexible Light Weight Mic.Cables With Individual Shield

A durable and mechanically strong cable similar to 2552 but with two separately served shields. This produces capacitance level a little higher than that of 2552.

Part No.	2447	2435
O.D. (mm)	5.0 ϕ (0.197")	6.0 ϕ (0.236")
Flex Life	14,000 cycles	24,000cycles
Tensile Strength	451 N	451 N
Color	Black	Black



Part No.2792

Part No.2792

LOW MICROPHONICS MIC.CABLE WITH CONDUCTIVE PVC

Conductive material is coated on top of the XLPE insulation which reduces microphonic handling noise to negligible level even in high impedance applications. Before soldering the black coating shall be stripped back.

Part No.	2792
O.D. (mm)	6.0 ϕ (0.236")
Flex Life	22,000cycles
Tensile Strength	490 N
Colors	Black/Red/Yellow/Green/Blue/Gray

LOW COST HIGH PERFORMANCE SUPERFLEXIBLE BALANCED MIC. CABLES

SPECIFICATIONS

Configuration							
Part No.		2552	2582	2447	2435	2792	
No. of Conductor		2					
Conductor	Details	12/0.12 A <T250D*3>					
	Size(mm ²)	0.135mm ² (#26AWG)					
Insulation	Ov. Dia. (mm)	1.5φ(0.059")					
	Material	XLPE(Cross-Linked Polyethylene)					
	Colors	Red/Clear					
Conductive PVC(mm)		_____	_____	_____	_____	1.75φ(0.069")	
Served Shield		Approx. 70/0.12A		Approx. 40/0.12A		Approx. 95/0.12A	
Jacket	Ov. Dia. (mm)	5.0φ(0.197")	6.0φ(0.236")	5.0φ(0.197")	6.0φ(0.236")	6.0φ(0.236")	
	Material	Flexible PVC					
	Colors	Black	Black/Red/Yellow/ Green/Blue/Gray	Black	Black	Black/Red/Yellow/ Green/Blue/Gray	
Roll Sizes		50 m (164Ft) 100m (328Ft) 200m(656Ft)	50 m (164Ft) 100m (328Ft) 200m(656Ft)	100m (328Ft) 200m(656Ft)	100m (328Ft) 200m(656Ft)	50 m (164Ft) 100m (328Ft) 200m(656Ft)	
Weight per 200m Roll		7.5 kg	9 kg	7.7kg	9kg	8.8kg	

ELECTRICAL & MECHANICAL CHARACTERISTICS

Part No.		2552	2582	2447	2435	2792
DC Resistance at 20°C	Inner Cond.	0.14Ω/m(0.043Ω/Ft)				
	Shield	0.024Ω/m(0.007Ω/Ft)		0.021Ω/m(0.006Ω/Ft)		0.018Ω/m(0.005Ω/Ft)
Capacitance at 1kHz, 20°C (Partial C. Value) See below figure *(1)	K ₀	90pF/m(27 pF/Ft)		123pF/m(37.5 pF/Ft)		127pF/m(38.7 pF/Ft)
	K ₁	10pF/m(3pF/Ft)		_____		
Inductance between conductors at 1kHz, 20°C		0.8 μH/m (0.24 μH/Ft)				
Electrostatic Noise *(2)		50 mV Max.		50 mV Max.		0.5 mV Max.
Electromagnetic Noise *(2)		0.15 mV Max.				
Microphonics at 50kΩ Load *(2)		30 mV Max.	30 mV Max.	30 mV Max.	30 mV Max.	1 mV Max.
Voltage Breakdown		Must withstand at DC 500V/15 sec.				
Insulation Resistance		10 ⁵ MΩ · m Min. at DC 125 V, 20°C				
Flex Life *(2)		11,000 cycles	13,800 cycles	14,000 cycles	24,000 cycles	22,000 cycles
Tensile Strength		421 N	441 N	451 N	451 N	490 N
Emigration		Non-Emigrant to ABS				
Applicable Temperature		-20°C~ + 70°C (-4°F~ + 158°F)				

*(2) Using standard testing methods of Mogami Wire & Cable Corp. *(1) Partial Capacitance

