

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)				
	Colours	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				
	Colours	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

