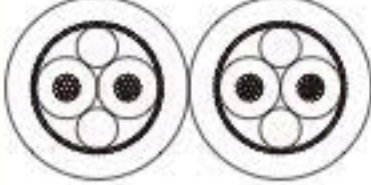




STEREO MIC. CABLE / AERIAL MIC. CABLES

SPECIFICATIONS

Configuration				
Part No.		3106	3177	3178
No. of Cores		2	1	2
No. of Conductor		2	4	4
Conductor	Details	20/0.12OFC	20/0.12OFC	30/0.08OFC
	Size(mm ²)	0.226mm ² (#24AWG)	0.226mm ² (#24AWG)	0.15mm ² (#26AWG)
Insulation	Ov. Dia. (mm)	1.6 φ (0.063")	1.6 φ (0.063")	0.9 φ (0.0354")
	Material	XLPE (Cross-Linked Polyethylene)		
	Colours	Blue/Clear	Blue/White (Quad)	
Reinforcement	Material	Stainless Steel Wire Rope		
	Details	7/7/0.11		
	Numbers of Rope	1		2
	Breakable Weight	830 N (187pound)		1,660 N (374pound)
Monofilament	Ov. Dia. (mm)	1.07 φ (0.042")	—	—
	Material	PE (Polyethylene)	—	—
Filler Thread		—	Cotton	Aramid
Binder	Thickness	—	0.025mm (0.00098")	—
	Material	—	Paper Tape	—
Served Shield		Approx. 80/0.12A	Approx.134/0.12A	Approx.68/0.10A
Core Jacket	Ov. Dia. (mm)	—	—	2.8mm (0.110")
	Material	—	—	PVC
	Colours	—	—	Red/White
Filler Thread		—	—	Polypropylene
Binder	Thickness	—	—	0.025mm (0.00098")
	Material	—	—	Paper Tape
Ov. Jacket	Ov. Dia. (mm)	2x4.8 φ (2x0.189")	6.8 φ (0.268")	7.4 φ (0.291")
	Material	PVC	PVC+Polyurethane Compound	
	Colour	Black	Light Gray	
Roll Sizes		50 m (164Ft) 100m (328Ft) 200m(656Ft)	200m (656Ft)	200m (656Ft)
Weight		5.7Kg/100m	12.2Kg/200m	13.3Kg/200m

ELECTRICAL & MECHANICAL CHARACTERISTICS

Part No.		3106	3177	3178	
DC Resistance at 20°C	Inner Conductor.	0.083Ω/m(0.025Ω/Ft)	0.083Ω/m(0.025Ω/Ft)	0.13Ω/m(0.0397Ω/Ft)	
	Shield	0.021Ω/m(0.0064Ω/Ft)	0.013Ω/m(0.0040Ω/Ft)	0.036Ω/m(0.011Ω/Ft)	
Capacitance at 1kHz,20°C (PartialCapacitance Value) See below figure ^{*(1)}	K0 (Shield-Conductor)		77pF/m(23.5 pF/Ft)	108pF/m(32.9 pF/Ft)	83pF/m(25.3pF/Ft)
	K1 (between neighbour conductors)		10pF/m(3.1 pF/Ft)	8pF/m(2.44 pF/Ft)	18pF/m(5.49 pF/Ft)
	K2		—	3pF/m(0.92 pF/Ft)	3pF/m(0.92 pF/Ft)
	Balanced Quad Connection	Cond-Cond	—	107pF/m(32.6 pF/Ft)	160pF/m(48.8 pF/Ft)
		Cond-Shield	—	190pF/m(58.0pF/Ft)	222pF/m(67.7pF/Ft)
Inductance		0.9μH/m (0.27μH/Ft)	0.5μH/m (0.15μH/Ft)	0.2μH/m (0.061μH/Ft)	
Electrostatic Noise ^{*(2)}		5 mV Max.	20mV Max.	5mV Max.	
Electromagnetic Noise at 10kHz ^{*(2)}		0.5 mV Max.	0.013 mV Max.	0.06 mV Max.	
Microphonics ^{*(2)}		10 mV Max.	5 mV Max.	10 mV Max.	
Voltage Breakdown		Must withstand at DC 500V/15sec.			
Insulation Resistance		10 ⁹ MΩ · m Min. at DC 500V, 20°C			
Flex Life ^{*(2)}		100,000 cycles	36,100 cycles	59,000 cycles	
Tensile Strength		382 N(per pair)	Over 980 N		
Emigration		Non-Emigrant to ABS resin			
Applicable Temperature		-20°C--+70°C (-4°F--+158°F)			
Standard		UL 2552 AWM 30V 60°C VW-1	—	—	

^{*(2)} Using standard testing methods of Mogami Wire & Cable Corp.

^{*(1)} Partial Capacitance

