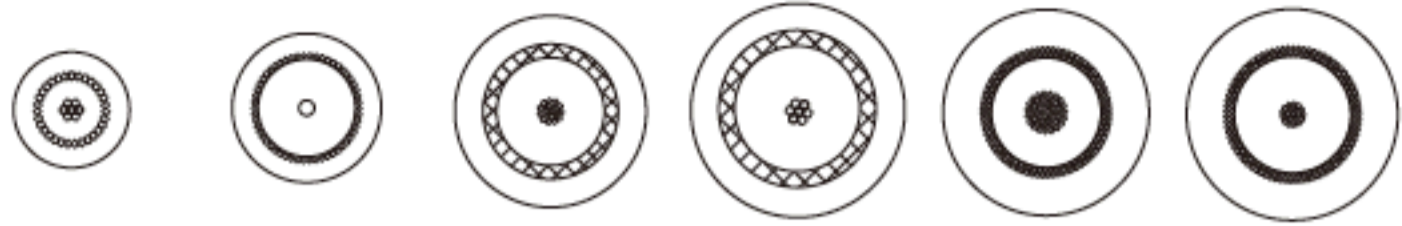


## SUBMINIATURE & MINIATURE COAXIAL CABLES



### CABLE SPECIFICATIONS

Part No.	2381	3351	2895	2546	3200	2964	
Characteristic Impedance	50Ω	75Ω	75Ω	75Ω	50Ω	75Ω	
Conductor	Details	1/0.10 Copper Plated Piano Wire 6/0.10A Served Cond.	0.20mm Copper-Covered Steel Wire	17/0.08A	7/0.14A	50/0.12 OFC	20/0.12 OFC
	Size	0.047mm <sup>2</sup> (#32AWG)	0.0314mm <sup>2</sup> (#33AWG)	0.085mm <sup>2</sup> (#28AWG)	0.107mm <sup>2</sup> (#27AWG)	0.565mm <sup>2</sup> (#20AWG)	0.226mm <sup>2</sup> (#24AWG)
Insulation	Ov. Dia. (mm)	0.9φ(0.035")	1.3φ(0.051")	1.7φ(0.067")	1.95φ(0.077")	2.6φ(0.102")	2.65φ(0.104")
	Material	XLPE		XLCPPE	CPE	XLCPE	
Shield	Type	SERVED		BRAIDED		Double Served Shield	
	Details	Approx. 30/0.10A	Approx. 50/0.08A	16/5/0.10A	16/4/0.12A	Approx. 66/0.12 OFC, Approx. 72/0.12 OFC	
Jacket	Ov. Dia. (mm)	1.6φ(0.063")	2.0φ(0.0787")	3.0φ(0.118")	3.3φ(0.130")	4.8φ(0.189")	
	Material	PVC					
	Colors	Black			Gray	Black	Black/Red/Yellow/Green/Blue
Roll Sizes	305m (1,000Ft)	153m (500Ft)/ 305m (1,000Ft)	305m (1,000Ft)		50m (164Ft)/100m(328Ft)/200m(656Ft)		
Weight Per 305m (1,000Ft) Roll	1.5kg	2.1kg	4.2kg	5.0kg	3.6kg /100m(328Ft)	3.4kg /100m(328Ft)	

### ELECTRICAL & MECHANICAL CHARACTERISTICS

Part No.	2381	3351	2895	2546	3200	2964	
DC Resistance at 20°C	Inner Cond.	0.4Ω/m (0.12Ω/Ft)	1.6Ω/m (0.49Ω/Ft)	0.22Ω/m (0.067Ω/Ft)	0.18Ω/m (0.055Ω/Ft)	0.035Ω/m(0.011Ω/Ft)	0.083Ω/m(0.025Ω/Ft)
	Shield	0.079Ω/m (0.024Ω/Ft)	0.08Ω/m (0.024Ω/Ft)	0.035Ω/m (0.011Ω/Ft)	0.03Ω/m (0.009Ω/Ft)	0.012Ω/m(0.0037Ω/Ft)	0.012Ω/m(0.0037Ω/Ft)
Capacitance at 1kHz, 20°C	102pF/m (31.1pF/ Ft)	68pF/m (20.7pF/ Ft)	58pF/m (17.7pF/ Ft)	62pF/m (18.9pF/ Ft)	95pF/m(29.0pF/ Ft)	57pF/m(17.4pF/ Ft)	
Characteristic Impedance at 10MHz	50Ω±10%	75Ω±10%	75Ω±10%	75Ω±10%	50Ω±10%	75Ω±10%	
Attenuation (10MHz)	0.15 dB /m (0.046 dB /Ft)	0.11 dB /m (0.033 dB /Ft)	0.069 dB /m (0.021 dB /Ft)	0.051 dB /m (0.016 dB /Ft)	0.058dB /m (0.018 dB /Ft)	0.047 dB /m (0.014 dB /Ft)	
Phase Constant (10MHz)	0.38rad / m	0.33rad / m	0.28rad / m	0.30rad / m	0.31rad / m	0.3rad / m	
Electromagnetic Noise*	LOD (Limit of Detection)						
Voltage Breakdown	Must withstand at DC 500V/15sec .						
Insulation Resistance	10 <sup>4</sup> MΩ · m Min . at DC 250V , 20°C						
Flex Life*	21,000 cycles	14,000 cycles	8,400 cycles	8,600 cycles	12,000 cycles	16,000 cycles	
Tensile Strength	68 N	95 N	196 N	205 N	343 N	274 N	
Emigration	Non-Emigrant to ABS resin						
Applicable Temperature	-20°C~ +60°C (-4°F~+140°F)						
Standard	-	-	UL 1354 AWM VW-1 30V 60°C		-	-	

Attenuation : 1 dB = 0.1151 neper (1 neper = 8.686 dB )

\*Using standard testing method of Mogami Wire & Cable Corp .