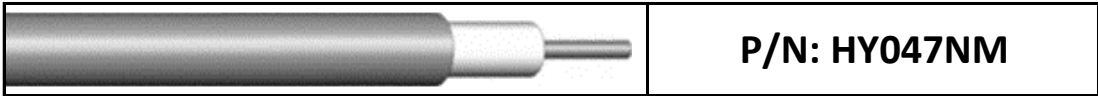


CABLES

**NON MAGNETIC SEMI-RIGID COAXIAL CABLE**



**P/N: HY047NM**

**SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS**

Type de câble / Cable type	non magnetic .047" semi-rigid
Températures d'utilisation / Temperature range	-40 °C ~ +100 °C
Rayon de courbure minimum / Minimum bend radius	4.2 mm
Poids / Weight	6 kg/km

**SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS**

Frequence d'utilisation / Frequency range	DC ~ 110 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	95.1 pF/m
Vitesse de propagation / Velocity of propagation	70 %
Efficacité de blindage / Shielding effectiveness	110 dB (min)
Retard linéique / Time delay	4.80 ns/m
Tension d'utilisation / Voltage Withstand	1000 Vrms

**CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS**

Conducteur central / Inner conductor	SPC wire Ø 0.29 mm
Diélectrique / Dielectric	PTFE Ø 0.94 mm
Conducteur extérieur / Outer conductor	SPC tube Ø 1.19 mm
Gaine et Couleur / Jacket and Color	Unjacketed

**ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING**

Frequency (GHz)	3	6	12	18	26,5	40	50	65	80	95	110
Typical attenuation (dB/m)	2,10	3,04	4,44	5,57	6,95	8,84	10,09	11,82	13,43	14,95	16,40
Typical attenuation (dB/m) = (1.144 x √(FGHz)) + (0.04 x FGHz) with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	26	18	13	11	9	7	6	6	5	5	5
Max power handling (W/cw) = 45 ÷ √(FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

**ATTENUATION (dB/m) / TYPICAL ATTENUATION (dB/m) vs FREQUENCY (GHz)**

