CABLES

TIN PLATED COPPER SEMI-RIGID COAXIAL CABLE

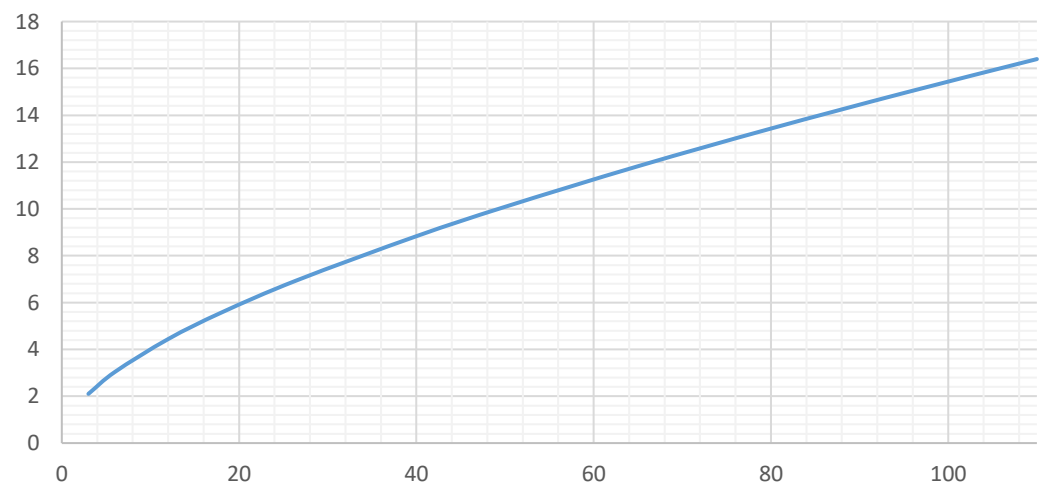
REF : HY047CUTP

SPECIFICATIONS MECANIQUES / *MECHANICAL SPECIFICATIONS*	
Type de câble / *Cable type*	tin plated copper .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*	SPCCS wire Ø 0,29 mm
Diélectrique / *Dielectric*	PTFE Ø 0,94 mm
Conducteur extérieur / *Outer conductor*	TPC tube Ø 1,19 mm
Gaine / *Jacket*	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)*