CABLES

TIN PLATED COPPER SEMI-RIGID COAXIAL CABLE

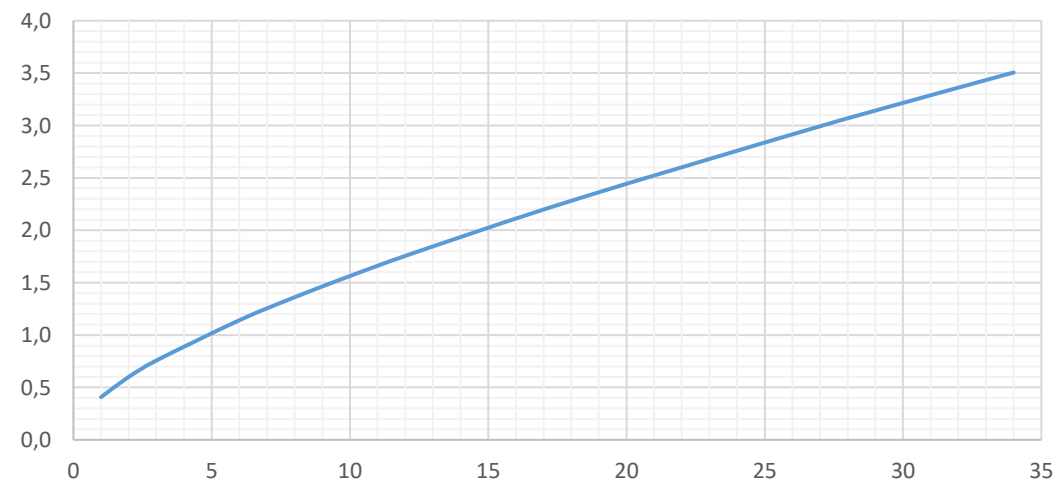
REF : HY141CUTP

SPECIFICATIONS MECANIQUES / *MECHANICAL SPECIFICATIONS*	
Type de câble / *Cable type*	tin plated copper .141" semi-rigid
Températures d'utilisation / *Temperature range*	-40 °C ~ +125 °C
Rayon de courbure minimum / *Minimum bend radius*	15 mm
Poids / *Weight*	46 kg/km

SPECIFICATIONS ELECTRIQUES / *ELECTRICAL SPECIFICATIONS*	
Frequence d'utilisation / *Frequency range*	DC ~ 34 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*	5000 Vrms

CONSTRUCTION ET MATERIAUX / *CONSTRUCTION AND MATERIAL SPECIFICATIONS*	
Conducteur central / *Inner conductor*	SPCCS wire Ø 0,94 mm
Diélectrique / *Dielectric*	PTFE Ø 2,98 mm
Conducteur extérieur / *Outer conductor*	TPC tube Ø 3,58 mm
Gaine / *Jacket*	Unjacketed

ATTENUATION ET PUISSANCE / *ATTENUATION AND POWER HANDLING*

Frequency (GHz)	1	2	3	6	8	10	12,4	18	26,5	30	34
Typical attenuation (dB/m)	0,408	0,600	0,757	1,141	1,361	1,564	1,792	2,281	2,954	3,216	3,506
Typical attenuation (dB/m) = (0.368 x √(FGHz)) + (0.04 x FGHz) with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	335	237	193	137	118	106	95	79	65	61	57
Max power handling (W/cw) = 335 ÷ √(FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

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