
CABLES

MICROWAVE LOW LOSS HIGH PERFORMANCE COAXIAL CABLE

REF : HY106

SPECIFICATIONS MECANIQUES / *MECHANICAL SPECIFICATIONS*	
Températures d'utilisation / *Temperature range*	-55 °C ~ +200 °C
Rayon de courbure minimum / *Minimum bend radius*	25.4 mm (stat) / 50.8 mm (dyn)
Poids / *Weight*	60 kg/km

SPECIFICATIONS ELECTRIQUES / *ELECTRICAL SPECIFICATIONS*	
Frequence d'utilisation / *Frequency range*	DC ~ 26.5 GHz
Impédance / *Impedance*	50 Ohms
Capacité / *Capacitance*	88 pF/m
Vitesse de propagation / *Velocity of propagation*	76 %
Efficacité de blindage / *Shielding effectiveness*	100 dB (min)
Retard linéique / *Time delay*	4.39 ns/m
Tension d'utilisation / *Voltage Withstand*	1500 Vdc

CONSTRUCTION ET MATERIAUX / *CONSTRUCTION AND MATERIAL SPECIFICATIONS*	
Conducteur central / *Inner conductor*	Solid SPC wire Ø 1.02 mm
Diélectrique / *Dielectric*	Low Density PTFE Tape Ø 3.07 mm
Tresse de blindage / *Inner shield braid*	SPC Braid
Feuillard inter-blindage / *Interlayer*	Aluminium Tape
Seconde tresse de blindage / *Outer shield braid*	SPC Braid Ø 4.06 mm
Gaine / *Jacket*	FEP Ø 4.57 mm

ATTENUATION ET PUISSANCE / *ATTENUATION AND POWER HANDLING*

Frequency (MHz)	100	400	1000	2000	3000	8000	12000	13500	16000	18000	26500
Typical attenuation (dB/m)	0,104	0,209	0,333	0,474	0,584	0,973	1,204	1,282	1,403	1,494	1,841
Typical attenuation (dB/m) = (0.31533 x √(FMHz)) + (0.00018 x FMHz) ÷ 30.48 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	1843	912	569	397	320	189	151	141	128	120	105

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