

LOW LOSS FLEXIBLE MICROWAVE COAXIAL CABLE



REF : HY410

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS

Températures d'utilisation / Temperature range	-55 °C ~ +165 °C
Rayon de courbure minimum / Minimum bend radius	20 mm (stat) / 40 mm (dyn)
Poids / Weight	36 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / Frequency range	DC ~ 40 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	80 pF/m
Vitesse de propagation / Velocity of propagation	83 %
Efficacité de blindage / Shielding effectiveness	90 dB (min)
Retard linéique / Time delay	4.02 ns/m
Tension d'utilisation / Voltage Withstand	800V

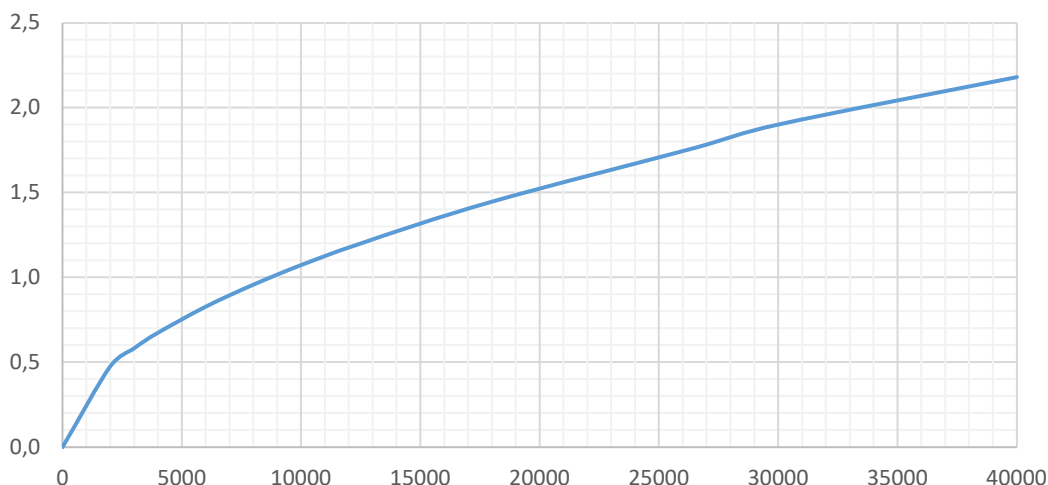
CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	Solid SPC wire Ø 1.05 mm
Diélectrique / Dielectric	Low Density PTFE Ø 2.90 mm
Tresse de blindage / Inner shield braid	N/A
Feuillard inter-blindage / Interlayer	SPC strip Ø 3.10 mm
Seconde tresse de blindage / Outer shield braid	SPC Braid Ø 3.50 mm
Gaine / Jacket	FEP Ø 4 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	2000	3000	4000	6000	8000	10000	12400	18000	26500	30000	40000
Typical attenuation (dB/m)	0,48	0,58	0,67	0,83	0,96	1,07	1,20	1,45	1,76	1,90	2,18
Typical attenuation (dB/m) = (1,168469 x v(FMHz)) + (0,000549 x FMHz) ÷ 100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	447	365	315	257	222	198	178	147	120	113	97

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



Specific parameters

Phase Change VS Bending (°/GHz)	±0.2
Phase Change VS Temperature@ (-45~+85) °C	≤750 PPM