

**FLEXIBLE COAXIAL CABLE
ALTERNATIVE TO SEMI-RIGID****P/N: HY405MF****SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS**

Type de câble / Cable type	Flexible alternative to .085" semi-rigid
Températures d'utilisation / Temperature range	-65 °C ~ +125 °C
Rayon de courbure minimum / Minimum bend radius	15 mm (stat) / 30 mm (dyn)
Poids / Weight	22 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

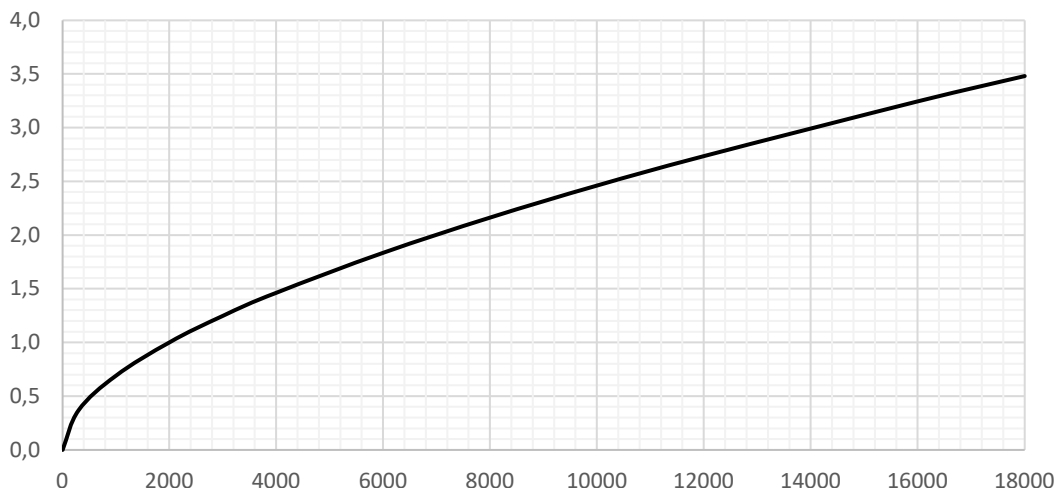
Frequence d'utilisation / Frequency range	DC ~ 18 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	96.1 pF/m
Vitesse de propagation / Velocity of propagation	70 %
Efficacité de blindage / Shielding effectiveness	90 dB (min)
Retard linéique / Time delay	4.76 ns/m
Tension d'utilisation / Voltage Withstand	1000 Vdc / 1500 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	SPC wire Ø 0.51 mm
Diélectrique / Dielectric	PTFE Ø 1.63 mm
Conducteur extérieur / Outer conductor	SPC foil Ø 1.79 mm
Tresse de blindage / Shield braid	SPC braid Ø 2.16 mm
Gaine et Couleur / Jacket and Color	Blue FEP Ø 2.64 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	300	1000	2000	3000	4000	6000	8000	10000	12000	16000	18000
Typical attenuation (dB/m)	0,370	0,693	1,003	1,250	1,465	1,837	2,164	2,461	2,737	3,244	3,482
Typical attenuation (dB/m) = ((2.0669291 x V(FMHz)) + (0.003937 x FMHz))/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	187	100	69	47	38	32	28	25	21	20	16
Max power handling with VSWR = 1.0, Temperature = 40 °C, sea level, dry air, atmospheric pressure and no solar loading											

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

HYTEM - ISO9001 CERTIFIED

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