

CABLES

**FLEXIBLE COAXIAL CABLE
ALTERNATIVE TO SEMI-RIGID**



P/N: HY402MF

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS

Type de câble / Cable type	Flexible alternative to .141" semi-rigid
Températures d'utilisation / Temperature range	-65 °C ~ +125 °C
Rayon de courbure minimum / Minimum bend radius	20 mm (stat) / 40 mm (dyn)
Poids / Weight	49 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	1500 Vdc / 2000 Vrms

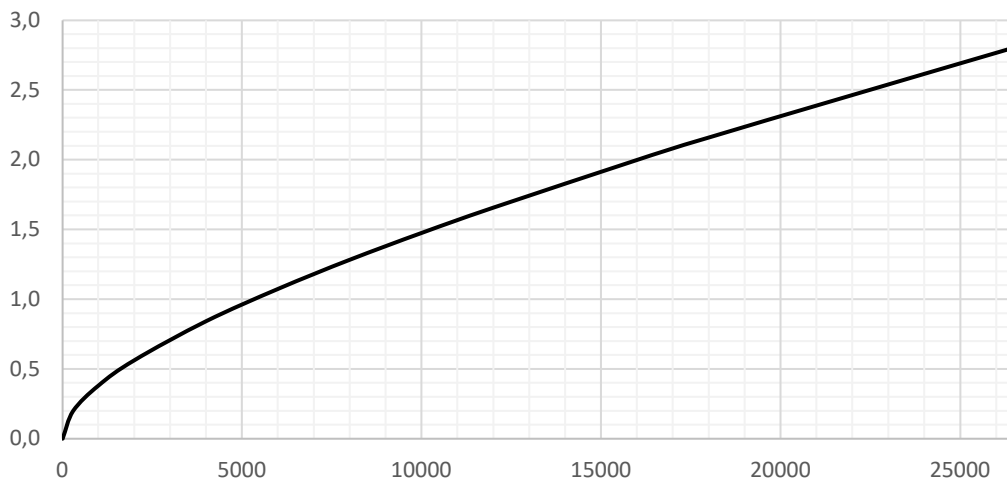
CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	SPC wire Ø 0.91 mm
Diélectrique / Dielectric	PTFE Ø 3.00 mm
Conducteur extérieur / Outer conductor	SPC foil Ø 3.20 mm
Tresse de blindage / Shield braid	SPC braid Ø 3.58 mm
Gaine et Couleur / Jacket and Color	Blue FEP Ø 4.06 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	300	1000	2000	4000	6000	8000	10000	12000	16000	18000	26500
Typical attenuation (dB/m)	0,199	0,382	0,563	0,842	1,075	1,283	1,476	1,658	1,999	2,161	2,805
Typical attenuation (dB/m) = ((1.0824 x √(FMHz)) + (0.003937 x FMHz))/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	512	267	181	121	95	80	69	62	51	47	36
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)



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