CABLES

LOW LOSS FLEXIBLE COAXIAL CABLE

P/N: HYLM300

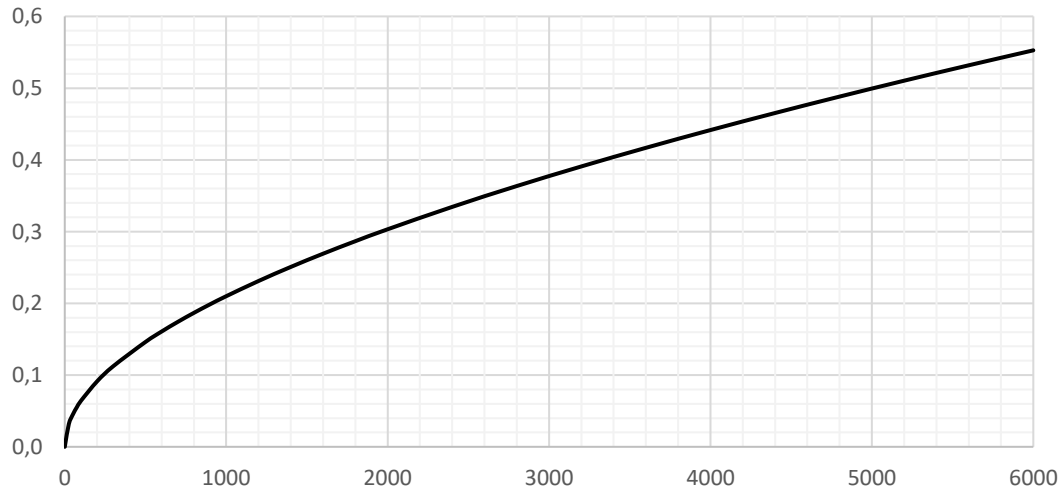
SPECIFICATIONS MECANIQUES / *MECHANICAL SPECIFICATIONS*	
Type de câble / *Cable type*	Low loss flexible
Températures d'utilisation / *Temperature range*	-40 °C ~ +80 °C
Rayon de courbure minimum / *Minimum bend radius*	22.2 mm (stat) / 76.2 mm (dyn)
Poids / *Weight*	80 kg/km

SPECIFICATIONS ELECTRIQUES / *ELECTRICAL SPECIFICATIONS*	
Frequence d'utilisation / *Frequency range*	DC ~ 6 GHz
Impédance / *Impedance*	50 Ohms
Capacité / *Capacitance*	78.4 pF/m
Vitesse de propagation / *Velocity of propagation*	85 %
Efficacité de blindage / *Shielding effectiveness*	90 dB (min)
Retard linéique / *Time delay*	3.92 ns/m
Tension d'utilisation / *Voltage Withstand*	2000 Vdc / 5000 Vrms

CONSTRUCTION ET MATERIAUX / *CONSTRUCTION AND MATERIAL SPECIFICATIONS*	
Conducteur central / *Inner conductor*	Solid BC Ø 1 x 1.78 mm
Diélectrique / *Dielectric*	Foam PE Ø 4.83 mm
Conducteur extérieur / *Outer conductor*	Al tape Ø 4.98 mm
Tresse de blindage / *Shield braid*	TPC Ø 5.72 mm
Gaine et Couleur / *Jacket and Color*	Black PE Ø 7.62 mm

ATTENUATION ET PUISSANCE / *ATTENUATION AND POWER HANDLING*											
Frequency (MHz)	30	50	150	220	450	900	1500	1800	2000	2500	5800
Typical attenuation (dB/m)	0,035	0,045	0,079	0,096	0,138	0,199	0,260	0,287	0,303	0,342	0,542
Typical attenuation (dB/m) = ((0.19193 x √(FMHz)) + (0.00033 x FMHz))/30.48 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	2090	1620	920	760	520	360	280	250	240	210	130
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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