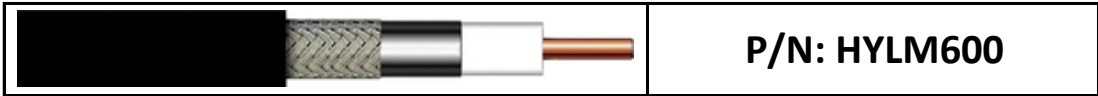


CABLES

**LOW LOSS FLEXIBLE COAXIAL CABLE**



**P/N: HYLM600**

**SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS**

Type de câble / <i>Cable type</i>	Low loss flexible
Températures d'utilisation / <i>Temperature range</i>	-40 °C ~ +80 °C
Rayon de courbure minimum / <i>Minimum bend radius</i>	38.1 mm (stat) / 152.4 mm (dyn)
Poids / <i>Weight</i>	200 kg/km

**SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS**

Frequence d'utilisation / <i>Frequency range</i>	DC ~ 6 GHz
Impédance / <i>Impedance</i>	50 Ohms
Capacité / <i>Capacitance</i>	76.6 pF/m
Vitesse de propagation / <i>Velocity of propagation</i>	87 %
Efficacité de blindage / <i>Shielding effectiveness</i>	90 dB (min)
Retard linéique / <i>Time delay</i>	3.83 ns/m
Tension d'utilisation / <i>Voltage Withstand</i>	4000 Vdc / 8000 Vrms

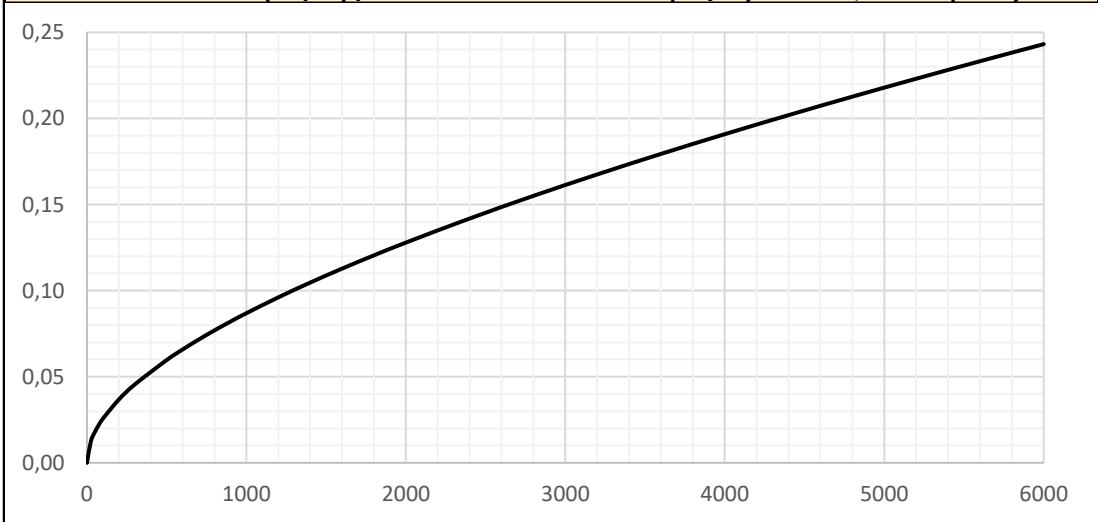
**CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS**

Conducteur central / <i>Inner conductor</i>	Solid BCCAI Ø 1 x 4.47 mm
Diélectrique / <i>Dielectric</i>	Foam PE Ø 11.56 mm
Conducteur extérieur / <i>Outer conductor</i>	Al tape Ø 11.71 mm
Tresse de blindage / <i>Shield braid</i>	TPC Ø 12.45 mm
Gaine et Couleur / <i>Jacket and Color</i>	Black PE Ø 14.99 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)	0,014	0,018	0,032	0,039	0,056	0,082	0,109	0,121	0,128	0,145	0,238
Typical attenuation (dB/m) = ((0.07555 x v(FMHz)) + (0.00026 x FMHz))/30.48 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	5510	4240	2410	1970	1350	930	700	630	590	520	320
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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