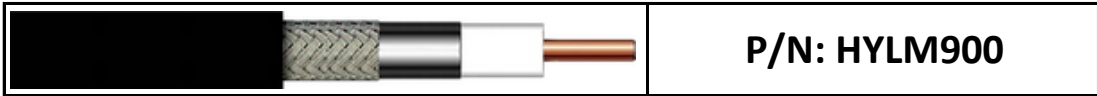


CABLES

LOW LOSS FLEXIBLE COAXIAL CABLE



P/N: HYLM900

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>	76.2 mm (stat) / 228.6 mm (dyn)
Poids / <i>Weight</i>	400 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>	5000 Vdc / 8000 Vrms

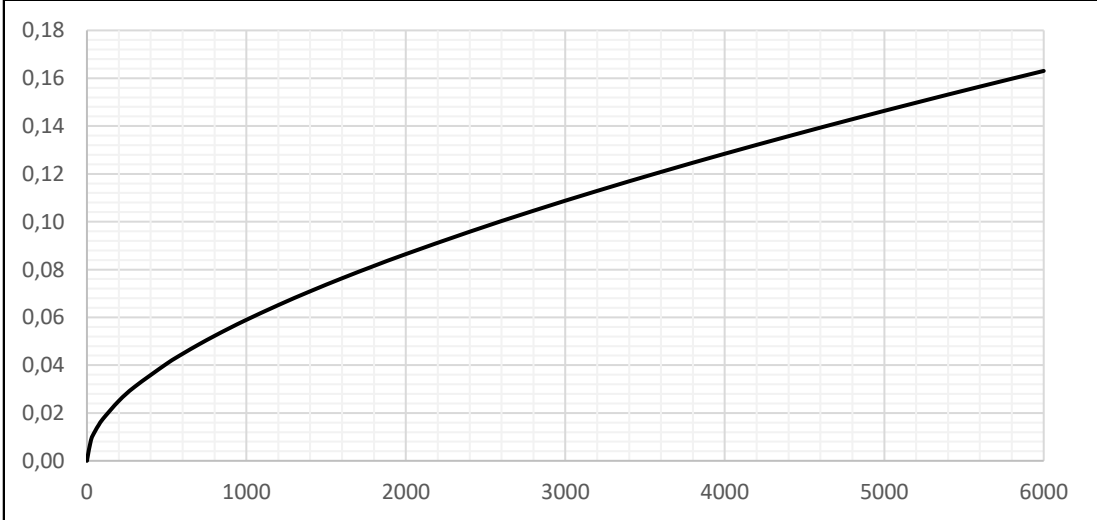
CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / <i>Inner conductor</i>	BC tube Ø 1 x 6.65 mm
Diélectrique / <i>Dielectric</i>	Foam PE Ø 17.27 mm
Conducteur extérieur / <i>Outer conductor</i>	Al tape Ø 17.42 mm
Tresse de blindage / <i>Shield braid</i>	TPC Ø 18.59 mm
Gaine et Couleur / <i>Jacket and Color</i>	Black PE Ø 22.10 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)	0,009	0,012	0,022	0,026	0,038	0,056	0,074	0,082	0,086	0,098	0,160
Typical attenuation (dB/m) = ((0.05177 x v(FMHz)) + (0.00016 x FMHz))/30.48 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	8890	6850	3890	3190	2190	1510	1140	1030	970	860	520
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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