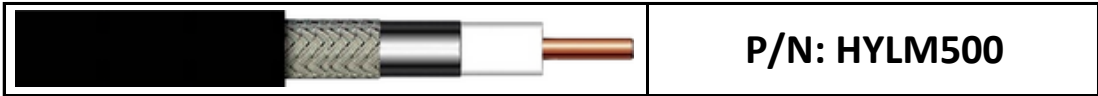


LOW LOSS FLEXIBLE COAXIAL CABLE



P/N: HYLM500

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>	31.8 mm (stat) / 127.0 mm (dyn)
Poids / <i>Weight</i>	140 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>	77.5 pF/m
Vitesse de propagation / <i>Velocity of propagation</i>	86 %
Efficacité de blindage / <i>Shielding effectiveness</i>	90 dB (min)
Retard linéique / <i>Time delay</i>	3.88 ns/m
Tension d'utilisation / <i>Voltage Withstand</i>	3000 Vdc / 8000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / <i>Inner conductor</i>	Solid BCCAl Ø 1 x 3.61 mm
Diélectrique / <i>Dielectric</i>	Foam PE Ø 9.40 mm
Conducteur extérieur / <i>Outer conductor</i>	Al tape Ø 9.55 mm
Tresse de blindage / <i>Shield braid</i>	TPC Ø 10.29 mm
Gaine et Couleur / <i>Jacket and Color</i>	Black PE Ø 12.70 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)	0,018	0,023	0,040	0,049	0,071	0,103	0,136	0,150	0,159	0,180	0,291
Typical attenuation (dB/m) = ((0.09659 x v(FMHz)) + (0.00026 x FMHz))/30.48 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	4400	3393	1931	1583	1088	752	569	515	485	428	264
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)

