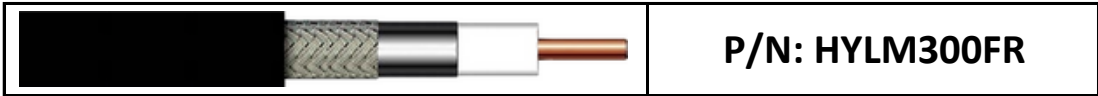


CABLES

LOW SMOKE ZERO HALOGEN LOW LOSS FLEXIBLE COAXIAL CABLE



P/N: HYLM300FR

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS

Type de câble / <i>Cable type</i>	Flame retardant low loss flexible
Températures d'utilisation / <i>Temperature range</i>	-40 °C ~ +80 °C
Rayon de courbure minimum / <i>Minimum bend radius</i>	22.2 mm (stat) / 76.2 mm (dyn)
Poids / <i>Weight</i>	80 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>	78.4 pF/m
Vitesse de propagation / <i>Velocity of propagation</i>	85 %
Efficacité de blindage / <i>Shielding effectiveness</i>	90 dB (min)
Retard linéique / <i>Time delay</i>	3.92 ns/m
Tension d'utilisation / <i>Voltage Withstand</i>	2000 Vdc / 5000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / <i>Inner conductor</i>	Solid BC Ø 1 x 1.78 mm
Diélectrique / <i>Dielectric</i>	Foam PE Ø 4.83 mm
Conducteur extérieur / <i>Outer conductor</i>	Al tape Ø 4.98 mm
Tresse de blindage / <i>Shield braid</i>	TPC Ø 5.72 mm
Gaine et Couleur / <i>Jacket and Color</i>	Black LSZH 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 v(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)

