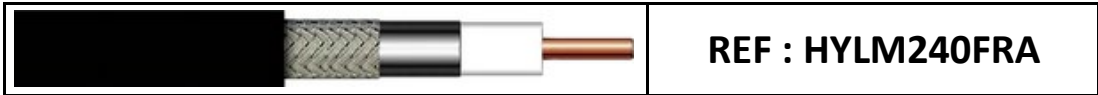


**AERONAUTICAL QUALIFIED  
FLAME RETARDANT COAXIAL CABLE**

**REF : HYLM240FRA**

SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS	
Type de câble / Cable type	Flame retardant low loss flexible
Températures d'utilisation / Temperature range	-40 °C ~ +80 °C
Rayon de courbure minimum / Minimum bend radius	19.1 mm (stat) / 63.5 mm (dyn)
Poids / Weight	50 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS	
Fréquence d'utilisation / Frequency range	DC ~ 6 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	79.4 pF/m
Vitesse de propagation / Velocity of propagation	84 %
Efficacité de blindage / Shielding effectiveness	90 dB (min)
Retard linéique / Time delay	3.97 ns/m
Tension d'utilisation / Voltage Withstand	1500 Vdc / 5000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS		
Conducteur central / Inner conductor	Solid BC Ø 1 x 1.42 mm	
Diélectrique / Dielectric	Foam PE Ø 3.81 mm	
Conducteur extérieur / Outer conductor	Al tape Ø 3.94 mm	
Tresse de blindage / Shield braid	TPC Ø 4.52 mm	
Gaine et Couleur / Jacket and Color	Black LSZH PE Ø 6.10 mm	
Normes spécifiques / Specific characteristics	CPR class	Cca-s2, d0, a1
	FAA/FAR	14 CFR Part 25.869

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING											
Frequency (MHz)	30	50	150	220	450	900	1500	1800	2000	2500	5800
Typical attenuation (dB/m)	0,044	0,057	0,099	0,120	0,173	0,248	0,324	0,356	0,377	0,424	0,668
Typical attenuation (dB/m) = ((0.24208 x v(FMHz)) + (0.00033 x FMHz))/30.48 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	1490	1150	660	540	380	260	200	180	170	150	100
Max power handling with VSWR = 1.0, Temperature = 40 °C, sea level, dry air, atmospheric pressure and no solar loading											

