

LOW LOSS ULTRAFLEX MICROWAVE COAXIAL CABLE



REF : HY780UF

SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS

Type de câble / Cable type	
Températures d'utilisation / Temperature range	-55 °C ~ +165 °C
Rayon de courbure minimum / Minimum bend radius	31 mm (stat) / 62.5 mm (dyn)
Poids / Weight	133 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / Frequency range	DC ~ 18 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	80 pF/m
Vitesse de propagation / Velocity of propagation	83 %
Efficacité de blindage / Shielding effectiveness	90 dB (min)
Retard linéique / Time delay	4.02 ns/m
Tension d'utilisation / Voltage Withstand	2500 V

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	Stranded SPC wire Ø 2.30 mm
Diélectrique / Dielectric	Low Density PTFE Ø 6.30 mm
Tresse de blindage / Inner shield braid	N/A
Feuillard inter-blindage / Interlayer	SPC strip Ø 6.60 mm
Seconde tresse de blindage / Outer shield braid	SPC wire Ø 7.15 mm
Gaine / Jacket	FEP Ø 7.80 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	300	500	1000	3000	4000	5000	6000	8000	10000	12400	18000
Typical attenuation (dB/m)	0,0907	0,1175	0,1671	0,2935	0,3406	0,3825	0,4207	0,4892	0,5503	0,6168	0,753
Typical attenuation (dB/m) = $(0,5183 \times \sqrt{\text{FMHz}}) + (0,00032 \times \text{FMHz}) \div 100$ with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	3341	2580	1814	1033	890	793	721	620	551	491	403

ATTENUATION (dB/m) / TYPICAL ATTENUATION (dB/m) vs FREQUENCY (MHz)

