

HIGH POWER ULTRAFLEX MICROWAVE COAXIAL CABLE



REF : HY750UF

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS

Températures d'utilisation / Temperature range	-65 °C ~ +135 °C
Rayon de courbure minimum / Minimum bend radius	127 mm (stat) / 203 mm (dyn)
Poids / Weight	536 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / Frequency range	DC ~ 6,5 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	80,36 pF/m
Vitesse de propagation / Velocity of propagation	83 %
Efficacité de blindage / Shielding effectiveness	90 dB (min)
Retard linéique / Time delay	4.00 ns/m
Tension d'utilisation / Voltage Withstand	TBD

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	Stranded SPC wire
Diélectrique / Dielectric	EPTFE
Tresse de blindage / Inner shield braid	N/A
Feuillard inter-blindage / Interlayer	SPC foil
Seconde tresse de blindage / Outer shield braid	SPC Braid
Gaine / Jacket	Santoprene Ø 19,68 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	100	200	500	1000	2000	3000	4000	5000	6000	6500	
Typical attenuation (dB/m)	0,020	0,029	0,047	0,069	0,102	0,125	0,148	0,167	0,187	0,198	
Typical attenuation (dB/m) = $(6,232 \times \sqrt{f(\text{GHz})}) + (0,6002 \times f(\text{GHz})) \div 100$ with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	20000	16400	12500	10000	6690	5000	4475	3000	2500	1750	

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

