CABLES

ULTRABEND COAXIAL CABLE



REF : HY047UB

SPECIFICATIONS MECANIQUES / *MECHANICAL SPECIFICATIONS*	
Type de câble / *Cable type*	UltraBend
Températures d'utilisation / *Temperature range*	-55 °C ~ +165 °C
Rayon de courbure minimum / *Minimum bend radius*	9 mm (stat) / 18 mm (dyn)
Poids / *Weight*	4,7 kg/km

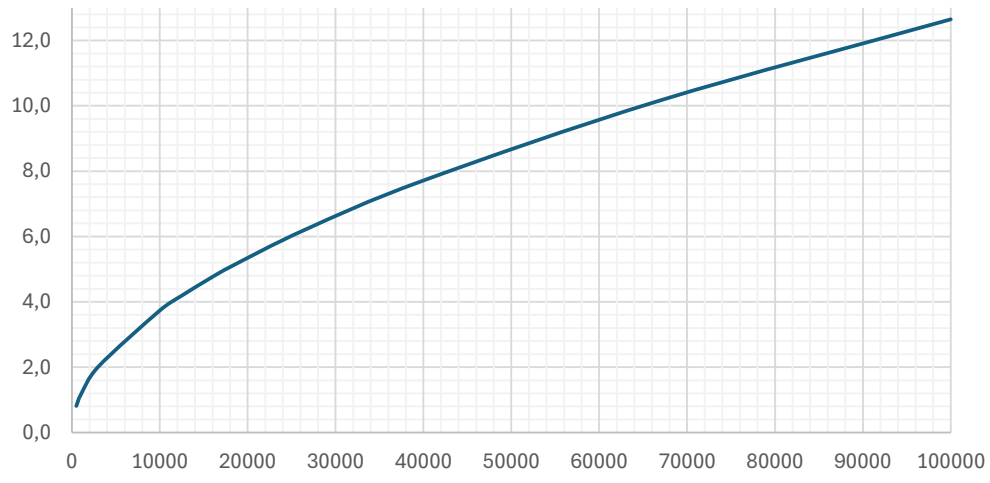
SPECIFICATIONS ELECTRIQUES / *ELECTRICAL SPECIFICATIONS*	
Frequence d'utilisation / *Frequency range*	DC ~ 100 GHz
Impédance / *Impedance*	50 Ohms
Capacité / *Capacitance*	94 pF/m
Vitesse de propagation / *Velocity of propagation*	70 %
Efficacité de blindage / *Shielding effectiveness*	90 dB (min)
Retard linéique / *Time delay*	4,76 ns/m
Tension d'utilisation / *Voltage Withstand*	500 V

CONSTRUCTION ET MATERIAUX / *CONSTRUCTION AND MATERIAL SPECIFICATIONS*	
Conducteur central / *Inner conductor*	Solid SPC wire Ø 0,29 mm
Diélectrique / *Dielectric*	PTFE Ø 0,95 mm
Tresse de blindage / *Inner shield braid*	Flat SPC strip Ø 1,10 mm
Feuillard inter-blindage / *Interlayer*	High temp Al foil Ø 1,23 mm
Seconde tresse de blindage / *Outer shield braid*	Stainless steel wire Ø 1,43 mm
Gaine / *Jacket*	FEP Ø 1,80 mm

ATTENUATION ET PUISSANCE / *ATTENUATION AND POWER HANDLING*

Frequency (MHz)	500	1000	3000	10000	12400	16000	18000	26500	40000	67000	100000
Typical attenuation (dB/m)	0,814	1,155	2,016	3,735	4,175	4,766	5,067	6,205	7,715	10,170	12,647
Typical attenuation (dB/m) = (3,61311 x √(FMHz)) + (0,001221 x FMHz)/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	100	70	40	22	19	17	16	13	11	8	6

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



Specific parameters

Phase Change VS Bending（°/GHz）	±0.3