CABLES

ULTRABEND COAXIAL CABLE



REF : HY405UB

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*	13 mm (stat) / 26 mm (dyn)
Poids / *Weight*	19 kg/km

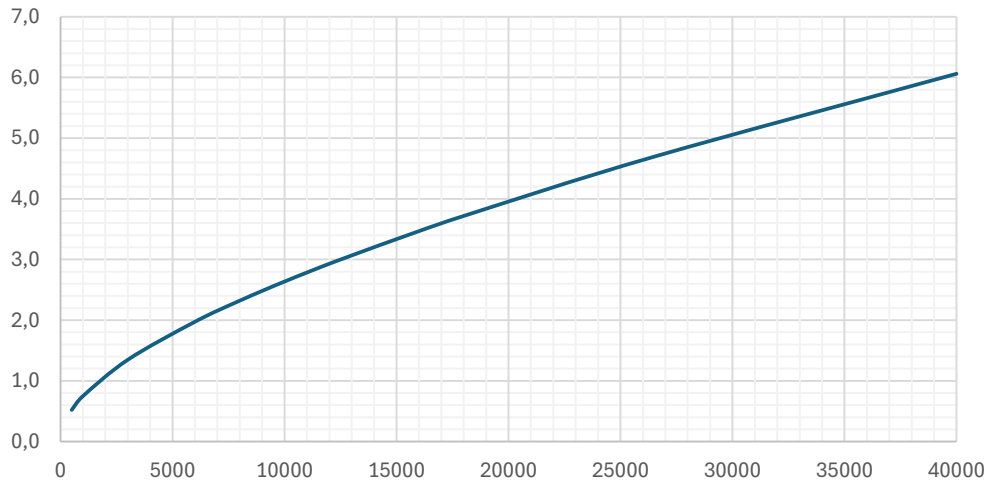
SPECIFICATIONS ELECTRIQUES / *ELECTRICAL SPECIFICATIONS*	
Frequence d'utilisation / *Frequency range*	DC ~ 40 GHz
Impédance / *Impedance*	50 Ohms
Capacité / *Capacitance*	94 pF/m
Vitesse de propagation / *Velocity of propagation*	70 %
Efficacité de blindage / *Shielding effectiveness*	90 dB (min)
Retard linéique / *Time delay*	4,76 ns/m
Tension d'utilisation / *Voltage Withstand*	1000 V

CONSTRUCTION ET MATERIAUX / *CONSTRUCTION AND MATERIAL SPECIFICATIONS*	
Conducteur central / *Inner conductor*	Solid SPC wire Ø 0,51 mm
Diélectrique / *Dielectric*	PTFE Ø 1,68 mm
Tresse de blindage / *Inner shield braid*	Flat SPC strip Ø 1,88 mm
Feuillard inter-blindage / *Interlayer*	High temp Al foil Ø 2,00 mm
Seconde tresse de blindage / *Outer shield braid*	Stainless steel wire Ø 2,20 mm
Gaine / *Jacket*	FEP Ø 2,60 mm

ATTENUATION ET PUISSANCE / *ATTENUATION AND POWER HANDLING*

Frequency (MHz)	500	1000	3000	6000	8000	10000	12400	16000	18000	26500	40000
Typical attenuation (dB/m)	0,521	0,749	1,347	1,974	2,321	2,637	2,986	3,467	3,718	4,694	6,061
Typical attenuation (dB/m) = (2,242868142 x √(FMHz)) + (0,003937 x FMHz)/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	258	180	100	68	58	51	45	39	36	29	22

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



Specific parameters

Phase Change VS Bending（°/GHz）	±0.3