CABLES

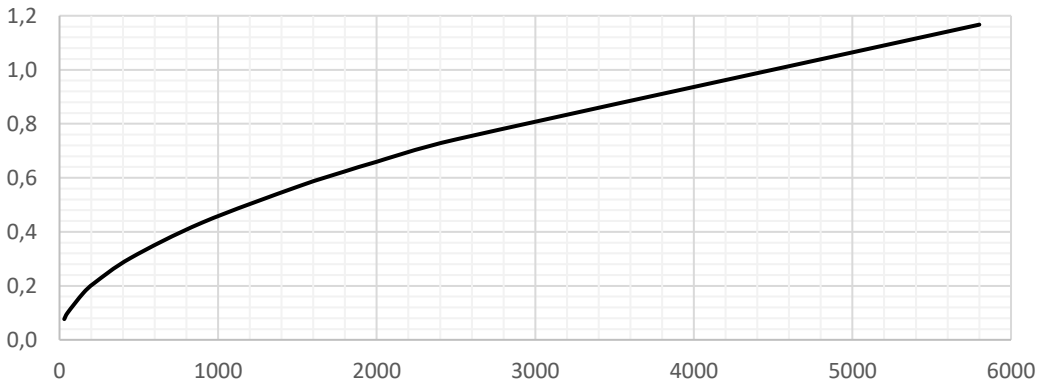
LOW LOSS ULTRAFLEXIBLE COAXIAL CABLE

REF : HYLM195UFFR

SPECIFICATIONS MECANIQUES / *MECHANICAL SPECIFICATIONS*	
Type de câble / *Cable type*	Low loss ultraflexible
Températures d'utilisation / *Temperature range*	-40 °C ~ +80 °C
Rayon de courbure minimum / *Minimum bend radius*	12,7 mm (stat) / 50,8 mm (dyn)
Poids / *Weight*	30 kg/km

SPECIFICATIONS ELECTRIQUES / *ELECTRICAL SPECIFICATIONS*	
Frequence d'utilisation / *Frequency range*	DC ~ 6 GHz
Impédance / *Impedance*	50 Ohms
Capacité / *Capacitance*	83,3 pF/m
Vitesse de propagation / *Velocity of propagation*	76 %
Efficacité de blindage / *Shielding effectiveness*	90 dB (min)
Retard linéique / *Time delay*	4,17 ns/m
Tension d'utilisation / *Voltage Withstand*	1000 Vdc / 3000 Vrms

CONSTRUCTION ET MATERIAUX / *CONSTRUCTION AND MATERIAL SPECIFICATIONS*		
Conducteur central / *Inner conductor*	Stranded BC Ø 0,97 mm	
Diélectrique / *Dielectric*	Foam PE Ø 2,79 mm	
Conducteur extérieur / *Outer conductor*	Al tape Ø 2,95 mm	
Tresse de blindage / *Shield braid*	TPC Ø 3,53 mm	
Gaine / *Jacket*	FRPE Ø 4,95 mm	
Normes spécifiques / *Specific characteristics*	Sans halogène / *Halogen Free*	IEC754 1 & 2
	Faible fumée / *Low smoke*	IEC61034-2
	Ferroviaire / *Rail industry*	Comp. EN45545 (R15/16)

ATTENUATION ET PUISSANCE / *ATTENUATION AND POWER HANDLING*											
Frequency (MHz)	30	50	150	220	450	900	1500	1800	2000	2500	5800
Typical attenuation (dB/m)	0,077	0,099	0,173	0,211	0,304	0,434	0,567	0,624	0,659	0,742	1,167
Typical attenuation (dB/m) = ((0.424232 x √(FMHz)) + (0.000563 x FMHz))/30.48 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	780	610	350	280	200	140	100	95	90	80	50
Max power handling with VSWR = 1.0, Temperature = 40 °C, sea level, dry air, atmospheric pressure and no solar loading											

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