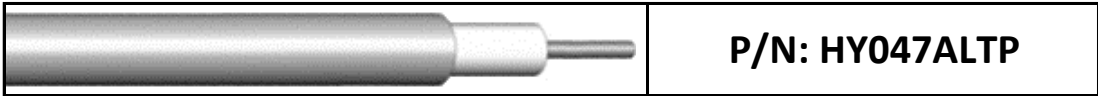


CABLES

TIN PLATED ALUMINUM SEMI-RIGID COAXIAL CABLE



P/N: HY047ALTP

SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS

Type de câble / <i>Cable type</i>	tin plated aluminum .047" semi-rigid
Températures d'utilisation / <i>Temperature range</i>	-40 °C ~ +100 °C
Rayon de courbure minimum / <i>Minimum bend radius</i>	4.2 mm
Poids / <i>Weight</i>	6 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / <i>Frequency range</i>	DC ~ 110 GHz
Impédance / <i>Impedance</i>	50 Ohms
Capacité / <i>Capacitance</i>	95.1 pF/m
Vitesse de propagation / <i>Velocity of propagation</i>	70 %
Efficacité de blindage / <i>Shielding effectiveness</i>	110 dB (min)
Retard linéique / <i>Time delay</i>	4.80 ns/m
Tension d'utilisation / <i>Voltage Withstand</i>	1000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / <i>Inner conductor</i>	SPCCS wire Ø 0.29 mm
Diélectrique / <i>Dielectric</i>	PTFE Ø 0.94 mm
Conducteur extérieur / <i>Outer conductor</i>	TPA tube Ø 1.19 mm
Gaine et Couleur / <i>Jacket and Color</i>	Unjacketed

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (GHz)	3	6	12	18	26,5	40	50	65	80	95	110
Typical attenuation (dB/m)	2,14	3,10	4,52	5,67	7,07	8,98	10,25	12,01	13,64	15,17	16,64
Typical attenuation (dB/m) = (1.167 x √(FGHz)) + (0.04 x FGHz) with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	23	16	12	9	8	6	6	5	4	4	4
Max power handling (W/cw) = 40 ÷ √(FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

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

