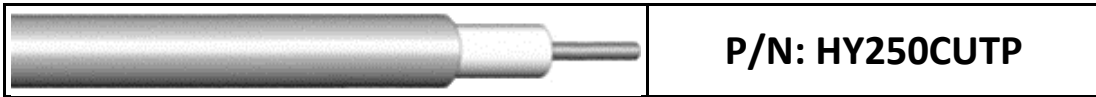


CABLES

**TIN PLATED COPPER SEMI-RIGID COAXIAL CABLE**



**P/N: HY250CUTP**

**SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS**

Type de câble / Cable type	tin plated copper .250" semi-rigid
Températures d'utilisation / Temperature range	-40 °C ~ +90 °C
Rayon de courbure minimum / Minimum bend radius	22.23 mm
Poids / Weight	140 kg/km

**SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS**

Frequence d'utilisation / Frequency range	DC ~ 18 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	95.1 pF/m
Vitesse de propagation / Velocity of propagation	70 %
Efficacité de blindage / Shielding effectiveness	110 dB (min)
Retard linéique / Time delay	4.80 ns/m
Tension d'utilisation / Voltage Withstand	7500 Vrms

**CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS**

Conducteur central / Inner conductor	SPCCS wire Ø 1.65 mm
Diélectrique / Dielectric	PTFE Ø 5.31 mm
Conducteur extérieur / Outer conductor	TPC tube Ø 6.35 mm
Gaine et Couleur / Jacket and Color	Unjacketed

**ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING**

Frequency (GHz)	1	2	3	5	6	8	10	12,4	14	16	18
Typical attenuation (dB/m)	0,205	0,313	0,406	0,569	0,644	0,787	0,922	1,077	1,177	1,300	1,420
Typical attenuation (dB/m) = (0.165 x √(FGHz)) + (0.04 x FGHz) with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	900	636	520	402	367	318	285	256	241	225	212
Max power handling (W/cw) = 900 ÷ √(FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

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

