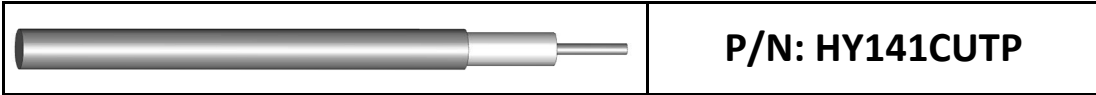


CABLES

TIN PLATED COPPER SEMI-RIGID COAXIAL CABLE



SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS

Type de câble / <i>Cable type</i>	tin plated copper .141" semi-rigid
Températures d'utilisation / <i>Temperature range</i>	-40 °C ~ +125 °C
Rayon de courbure minimum / <i>Minimum bend radius</i>	12.5 mm
Poids / <i>Weight</i>	46 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / <i>Frequency range</i>	DC ~ 34 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>	5000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / <i>Inner conductor</i>	SPCCS wire Ø 0.94 mm
Diélectrique / <i>Dielectric</i>	PTFE Ø 2.98 mm
Conducteur extérieur / <i>Outer conductor</i>	TPC tube Ø 3.58 mm
Gaine et Couleur / <i>Jacket and Color</i>	Unjacketed

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (GHz)	1	2	3	6	8	10	12,4	18	26,5	30	34
Typical attenuation (dB/m)	0,408	0,600	0,757	1,141	1,361	1,564	1,792	2,281	2,954	3,216	3,506
Typical attenuation (dB/m) = (0.368 x √(FGHz)) + (0.04 x FGHz) with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	335	237	193	137	118	106	95	79	65	61	57
Max power handling (W/cw) = 335 ÷ √(FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

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

