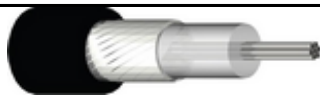


FLEXIBLE COAXIAL CABLE



REF : HY58FR

SPECIFICATIONS MECANQUES / MECHANICAL SPECIFICATIONS

Type de câble / Cable type	
Températures d'utilisation / Temperature range	-40 °C ~ +80 °C
Rayon de courbure minimum / Minimum bend radius	15 mm (stat) / 30 mm (dyn)
Poids / Weight	34 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / Frequency range	DC ~ 6 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	105 pF/m
Vitesse de propagation / Velocity of propagation	66 %
Efficacité de blindage / Shielding effectiveness	40 dB (min)
Retard linéique / Time delay	5.0 ns/m
Tension d'utilisation / Voltage Withstand	300 V peak / 2kV eff

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	Stranded TPC Ø 0.93 mm
Diélectrique / Dielectric	PE Ø 2.85 mm
Tresse de blindage / Shield braid	TPC Ø 3.40 mm
Seconde tresse de blindage / Second shield braid	---
Gaine et Couleur / Jacket and Color	Black FRNC Ø 4.90 mm
Inflammabilité / Flame resistance	IEC 60332-1-2 UN/ECE-R118(2023-02), § 6.2.6

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (GHz)	0,05	0,1	0,4	0,8	1	1,2	0,82	2	2,5	4	6
Typical attenuation (dB/m)	0,120	0,178	0,390	0,580	0,650	0,730	0,603	0,970	1,100	1,440	1,810
Typical attenuation (dB/m) = with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	246	174	87	61	55	50	61	39	35	28	22
Max power handling (W/cw) with VSWR = 1.0, Temperature = 25 °C and sea level											

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

