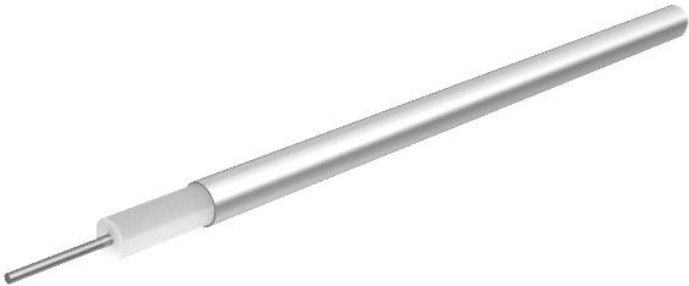


Formable microwave cable
SR_141_M17-QPL Item: 85196187

Description

Semi-rigid: Semi-rigid, formable microwave cables
M17/130-RG402
RG402 dimension, MIL style, 50 Ohm, 20 GHz, 125°C, ø3.58 mm
no Jacket



Technical Data

Construction			
	Material	Detail	Diameter
Centre conductor	Steel, Copper+Silver plated	Wire	0.92 mm
Dielectric	PTFE (Polytetrafluoroethylene)		2.99 mm
Outer conductor	Copper	Tube, 100%	3.58 mm

Electrical Data

Impedance	50 Ω +/- 1
Operating Frequency	20 GHz
Capacitance	98.1 pF/m
Velocity of signal propagation	69.5 %
Signal delay	4.8 ns/m
Screening effectiveness	≥ 120 dB (up to 18 GHz)
Operating voltage	≤ 1.9 kVrms (at sea level)
Test voltage	5 kVrms (50 Hz/1 min)

Mechanical Data

Weight		5.12 kg/100 m
Min. bending radius	static	6.35 mm

Environmental Data

Temperature range	-40 °C ... +125 °C
Installation temperature	-20 °C... +60 °C
Halogen free	No
2011/65/EU (RoHS - including	
2015/863 and 2017/2102)	compliant
1907/2006/EC (REACH)	compliant
2000/53/EC (ELV)	compliant
2012/19/EU (WEEE)	no special marking needed

Additional Information

Remarks

(For details refer to the HUBER+SUHNER RF CABLES GENERAL CATALOGUE or contact your nearest HUBER+SUHNER partner)

Suitable Connectors

Cable group	Y5-QPL, 3 mm / 50 Ohm
-------------	-----------------------

Formable microwave cable
SR_141_M17-QPL Item: 85196187

Matrix typical Attenuation [formula: (a*f^0.5 + b*f)] and maximum Power CW

Coefficients:

a = 0.3405	b = 0.0388	f _{max} = 20	P at 1GHz = 450
------------	------------	-----------------------	-----------------

Frequency (GHz)	Nom. attenuation (dB / m)	Nom. attenuation (dB / ft)	Max. CW power (W)
	sea level 25° C ambient temperature	sea level 25° C ambient temperature	sea level 25° C ambient temperature
0.5	0.26	0.08	600
1.0	0.39	0.12	450
5.0	0.95	0.29	180
10.0	1.48	0.45	120
20.0	2.30	0.70	70