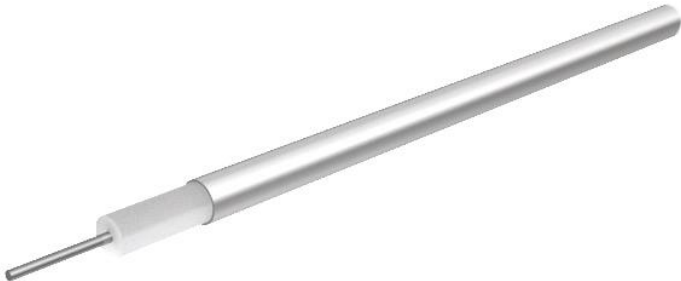


Formable microwave cable
SR_86_M17-QPL Item: 85196185

Description

Semi-rigid: Semi-rigid, formable microwave cables
M17/133-RG405
RG405 dimension, MIL style, 50 Ohm, 20 GHz, 125°C, ø2.2 mm



Technical Data

Construction			
	Material	Detail	Diameter
Centre conductor	Steel, Copper+Silver plated	Wire	0.51 mm
Dielectric	PTFE (Polytetrafluoroethylene)		1.68 mm
Outer conductor	Copper	Tube, 100%	2.2 mm

Electrical Data

Impedance	50 Ω +/- 1.5
Operating Frequency	20 GHz
Capacitance	105 pF/m
Velocity of signal propagation	69.5 %
Signal delay	4.8 ns/m
Screening effectiveness	≥ 120 dB (up to 20 GHz)
Operating voltage	≤ 1.5 kV _{rms} (at sea level)

Mechanical Data

Weight		2.28 kg/100 m
Min. bending radius	static	3.18 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	Y3-QPL, 2 mm / 50 Ohm
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Matrix typical Attenuation [formula: (a*f^0.5 + b*f)] and maximum Power CW
Coefficients:

a = 0.5672	b = 0.0854	fmax = 20	P at 1GHz = 130
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Frequency	Nom. attenuation	Nom. attenuation	Max. CW power
(GHz)	(dB/m)	(dB/ft)	(W)
	sea level 25 ° ambient temperature	sea level 25 ° ambient temperature	sea level 25 ° ambient temperature
0.5	0.49	0.15	180
1.0	0.72	0..22	130
5.0	1.64	0.50	54
10.0	2.62	0.80	35
20.0	4.24	1.30	20

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, AS/EN9100, ISO/TS 16949 and IRIS. www.hubersuhner.com

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