

Flexible RF cable

G_03213_D **Item: 22510954**

Description

G: RF cables with PE dielectrics

75 Ohm, 2 GHz, 85°C, ø5.35 mm, PUR jacket



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper	Strand-07	0.49 mm
Dielectric	PE (Polyethylene)		2.95 mm
Outer conductor	Copper, Tin plated	Braid, 94%	3.6 mm
Outer conductor	Copper, Tin plated	Braid, 93 %	4.2 mm
Jacket	PUR (Polyurethane)	RAL 9005 - bk	5.35 mm +/- 0.15

Print: HUBER+SUHNER G 03213 D 75 Ohm (production order number)

Electrical Data

Impedance	75 Ω +/- 3
Operating Frequency	2 GHz
Capacitance	67 pF/m
Velocity of signal propagation	66 %
Signal delay	5.03 ns/m
Screening effectiveness	≥ 77 dB (up to 2 GHz)
Operating voltage	≤ 2.5 kV _{rms} (at sea level)
Test voltage	5 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	5 kg/100 m
Min. bending radius	static 25 mm 53 mm

Environmental Data

Temperature range	-40 °C ... +85 °C
Installation temperature	-20 °C... +60 °C
Halogen test	IEC 60754
Halogen free	Yes
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
1907/2006/EC (REACH)	compliant

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	U14 3 mm / 75 Ohm
-------------	-------------------

Flexible RF cable

G_03213_D **Item: 22510954**

Matrix typical Attenuation [formula: $(a \cdot f^{0.5} + b \cdot f)$] and maximum Power CW [formula: $(p/f^{0.5})$]

Coefficients:

a = 0.4558

b = 0.0532

f_{max} = 2

P at 1GHz = 82

Frequency	Nom. attenuation	Nom. attenuation	Max. CW power
(GHz)	(dB / m)	(dB / ft)	(W)
	sea level 25° C ambient temperature	sea level 25° C ambient temperature	sea level 40° C ambient temperature
0,1	0,15	0,046	259
0,2	0,21	0,065	183
0,3	0,27	0,081	150
0,4	0,31	0,094	130
0,5	0,35	0,106	116
0,6	0,38	0,117	106
0,7	0,42	0,128	98
0,8	0,45	0,137	92
0,9	0,48	0,146	86
1,0	0,51	0,155	82
1,1	0,54	0,164	78
1,2	0,56	0,172	75
1,3	0,59	0,179	72
1,4	0,61	0,187	69
1,5	0,64	0,194	67
1,6	0,66	0,202	65
1,7	0,68	0,209	63
1,8	0,71	0,216	61
1,9	0,73	0,222	59
2,0	0,75	0,229	58

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[HUBER+SUHNER:](#)

[G_03213_D](#)