

MAUNT

M6000103
RF haspel, incl. QR labels



Omschrijving

Deze zwarte haspel bevat 100 meter coax kabel, 50 Ohm, Spuma_240-RS-FR.

Merk

Maunt

Technische specificaties

Materiaal

Speciaal rubber

Kleur

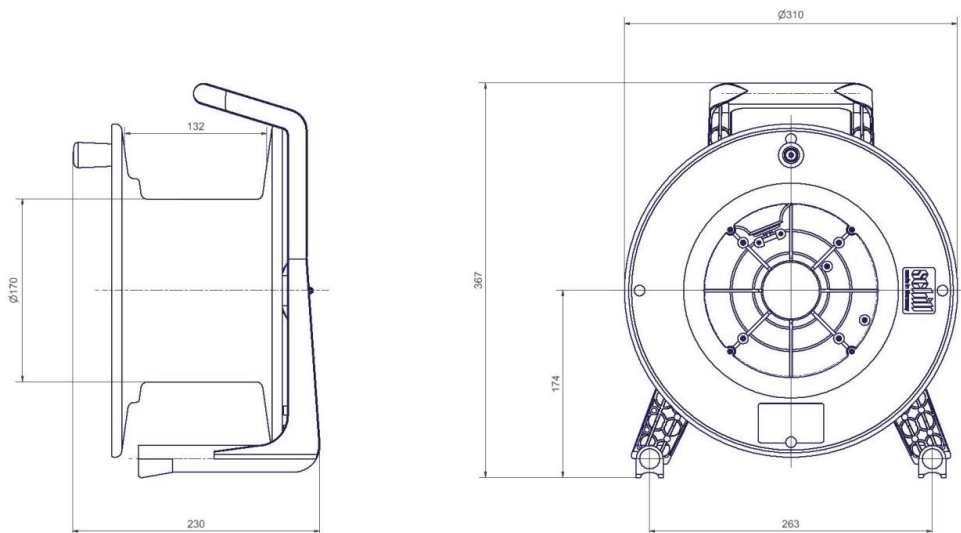
Zwart

Gewicht (kg)

1.61

Uitvoering

Open



M6000093
RF cable, 50 Ohm, Spuma_240-RS-FR, black, Huber+Suhner

**Description**

Spuma: Flexible, low-loss RF cables (LMR* alternatives) High-flexible, 50 Ohm, 6 GHz, 85°C, ø6.17 mm, TPU jacket, flameretardant, railway qualified

Technical Data**Construction**

	<i>Material</i>	<i>Detail</i>	<i>Diameter</i>
Centre conductor	Copper	Strand, Low-loss	1.42 mm
Dielectric	SPE (Foamed Polyethylene)		3.81 mm
Outer conductor	Aluminium/PES	longitudinal Foil, 100%	3.94 mm
Outer conductor	Copper, Tin plated	Braid, 94%	4.52 mm
Jacket	TPU (Urethane TPE)	RAL 9005 – bk	6.17 mm ± 0.1

Print: HUBER+SUHNER SPUMA 240-RS-FR 50 Ohm (production order number)

Electrical Data

Impedance	50 Ω ± 2
Operating Frequency	6 GHz
Capacitance	81 pF/m
Velocity of signal propagation	85 %
Signal delay	4.05 ns/m
Screening effectiveness	≥ 90 dB (up to 6 GHz)
Operating voltage	≤ 0.9 kVrms (at sea level)
Test voltage	1.5 kVrms (50 Hz/1 min)

Mechanical Data

Weight		5.4 kg/100m
Min. bending radius	Static	14 mm
Abrasion test	EN 50305, 5.2	53 mm

Environmental Data

Temperature range	-40°C... +85°C
Installation temperature	-20°C... +60°C
Flame propagation test	EN 60332-1-2, IEC 60332-3-25
Smoke density test	EN 61034-2
Halogen free	Yes
2011/65/EU (RoHS – including 2015/863 and 2017/2102)	Compliant
1907/2006/EC (REACH)	Compliant
2012/19/EU (WEEE)	No special marking needed

Additional Information

EN 45545-2 compliant hazard level for indoor cables: HL2 NFPA-130 compliant. An operating temperature of -55°C is feasible for static applications. *) LMR is a registered trademark of Times Microwave Inc.

Remarks

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

Suitable Connectors

Cable group X34 4 mm / 50 Ohm

Matrix

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

Coefficients:

A = 0.276	B = 0.0165	Fmax = 6	P at 1GHz = 230
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
0.3	0.16	0.048	420
0.6	0.22	0.068	297
0.9	0.28	0.084	242
1.2	0.32	0.098	210
1.5	0.36	0.111	188
1.8	0.4	0.122	171
2.1	0.43	0.132	159
2.4	0.47	0.142	148
2.7	0.5	0.152	140
3.0	0.53	0.161	133
3.3	0.56	0.169	127
3.6	0.58	0.178	121



3.9	0.61	0.186	116
4.2	0.63	0.194	112
4.5	0.66	0.201	108
4.8	0.68	0.208	105
5.1	0.71	0.216	102
5.4	0.73	0.223	99
5.7	0.75	0.230	96
6.0	0.78	0.236	94

