

Coaxial Cable
RG_188_A/U-01

苏州启道 — 中国区优势专业供应商
sales@qiidao.com

Description

FEP - 50 Ohm - single screen



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Steel, Copper+Silver plated	Strand-07	0.54 mm
Dielectric	FEP (Fluorinated ethylene propylene)		1.55 mm
Outer conductor	Copper, Silver plated	Braid, 96%	2 mm
Jacket	FEP (Fluorinated ethylene propylene)	RAL 8015 - br	2.5 mm +/- 0.1

Print: HUBER+SUHNER RG 188 A/U-01 50 Ohm (PA no.)

Electrical Data

Impedance	50 Ω +/- 2
Operating Frequency	3 GHz
Capacitance	97 pF/m
Velocity of signal propagation	69 %
Signal delay	4.83 ns/m
Insulation resistance	≥ 1 x 10 ⁸ MΩm
Min. screening effectiveness	≥ 41 dB (up to 1 GHz)
Max. operating voltage	≤ 1.45 kV _{rms} (at sea level)
Test voltage	2.9 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	1.7 kg/100 m
Min. bending radius	static repeated (for ≤ 50 bendings) dynamic
	15 mm
	25 mm
	37 mm

Environmental Data

Temperature range	-65 °C... +165 °C
Installation temperature	-20 °C... +60 °C
Flammability	IEC 60332-3,
2011/65/EU (RoHS)	compliant

Additional Information

Ordering Information

Order as	RG_188_A/U-01
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Remarks

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

Suitable Connectors

Cable group	U2 2 mm / 50 Ohm
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Matrix typical Attenuation [formula: $(a \cdot f^{0.5} + b \cdot f)$] and maximum Power CW [formula: $(p / f^{0.5})$]

Coefficients:

a = 0.7501

b = 0.0884

f_{max} = 3

P at 1GHz = 180

Frequency (GHz)	Nom. attenuation (dB / m) sea level 25° C ambient temperature	Nom. attenuation (dB / ft) sea level 25° C ambient temperature	Max. CW power (watt) sea level 40° C ambient temperature
0,15	0,3	0,093	465
0,3	0,44	0,133	329
0,45	0,54	0,165	268
0,6	0,63	0,193	232
0,75	0,72	0,218	208
0,9	0,79	0,241	190
1,05	0,86	0,263	176
1,2	0,93	0,283	164
1,35	0,99	0,302	155
1,5	1,05	0,320	147
1,65	1,11	0,338	140
1,8	1,17	0,355	134
1,95	1,22	0,372	129
2,1	1,27	0,388	124
2,25	1,32	0,404	120
2,4	1,37	0,419	116
2,55	1,42	0,434	113
2,7	1,47	0,448	110
2,85	1,52	0,463	107
3,0	1,56	0,477	104