

Coaxial Cable RG_11_A/U

Description

PE-75 Ohm - single screen



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper, Tin plated	Strand-07	1.2 mm
Dielectric	PE (Polyethylene)		7.25 mm
Outer conductor	Copper	Braid, 96%	8.1 mm
Jacket	PVC II (low migration)	RAL 9005 - bk	10.3 mm +/- 0.15

Print: HUBER+SUHNER RG 11 A/U 75 Ohm (PA no.)

Electrical Data

Impedance	75 Ω +/- 3
Operating Frequency	1 GHz
Capacitance	67 pF/m
Velocity of signal propagation	66 %
Signal delay	5.03 ns/m
Insulation resistance	$\geq 1 \times 10^8$ MQm
Max. operating voltage	≤ 5 kV _{rms} (at sea level)
Test voltage	10 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight		13.3 kg/100 m
Min. bending radius	static	55 mm
	repeated (for ≤ 50 bendings)	100 mm

Environmental Data

Temperature range	-25 °C... +85 °C
Installation temperature	-20 °C... +60 °C
2011/65/EU (RoHS)	compliant

Additional Information

Ordering Information

Order as RG_11_A/U

Remarks

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

Suitable Connectors

Cable group U34 7 mm / 75 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 = 0.1881

b = 0.0344

f_{max} = 1

P at 1GHz = 286

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
0,05	0,04	0,013	1279
0,1	0,06	0,019	904
0,15	0,08	0,024	738
0,2	0,09	0,028	640
0,25	0,1	0,031	572
0,3	0,11	0,035	522
0,35	0,12	0,038	483
0,4	0,13	0,040	452
0,45	0,14	0,043	426
0,5	0,15	0,046	404
0,55	0,16	0,048	386
0,6	0,17	0,051	369
0,65	0,17	0,053	355
0,7	0,18	0,055	342
0,75	0,19	0,058	330
0,8	0,2	0,060	320
0,85	0,2	0,062	310
0,9	0,21	0,064	301
0,95	0,22	0,066	293
1,0	0,22	0,068	286