

Coaxial Cable G_02263-01

Description

PE-75 Ohm - single screen



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper, Silver plated	Strand-07	0.258 mm
Dielectric	PE (Polyethylene)		1.5 mm
Outer conductor	Copper	Braid, 96%	2 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	2.8 mm +/- 0.1

Print: HUBER + SUHNER G 02263-01 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 ns/m
Insulation resistance	≥ 1 x 10 ⁸ MQm
Max. operating voltage	≤ 1 kV _{rms} (at sea level)
Test voltage	2 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	1.25 kg/100 m
Min. bending radius	static repeated (for ≤ 50 bendings) dynamic
	15 mm 30 mm 50 mm

Environmental Data

Temperature range	-40 °C... +85 °C
Installation temperature	-20 °C... +60 °C
2011/95/EC (RoHS)	compliant

Additional Information

Ordering Information

Order as G_02263-01

Remarks

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

Suitable Connectors

Cable group U5 2 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 = 0.9324

b = 0.0344

$f_{\max} = 1$

P at 1GHz = 33

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	0.21	0.064	148
0.1	0.3	0.091	104
0.15	0.37	0.112	85
0.2	0.42	0.129	74
0.25	0.47	0.145	66
0.3	0.52	0.159	60
0.35	0.56	0.172	56
0.4	0.6	0.184	52
0.45	0.64	0.195	49
0.5	0.68	0.206	47
0.55	0.71	0.217	44
0.6	0.74	0.226	43
0.65	0.77	0.236	41
0.7	0.8	0.245	39
0.75	0.83	0.254	38
0.8	0.86	0.263	37
0.85	0.89	0.271	36
0.9	0.92	0.279	35
0.95	0.94	0.287	34
1.0	0.97	0.295	33