

Coaxial Cable G_02333

Description

Triax - PE - 75 Ohm



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Steel, Copper plated	Wire	0.24 mm
Dielectric	PE (Polyethylene)		1.5 mm
Outer conductor	Copper	Braid, 96%	2 mm
Jacket	PVC (Polyvinyl chloride)		2.8 mm
2 nd Screen	Copper	Braid, 93 %	3.3 mm
Outer Jacket	PVC (Polyvinyl chloride)	RAL 9005 - bk	4.3 mm +/- 0.15

Print: HUBER+SUHNER G 02333 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 MΩm
Max. operating voltage	≤ 1 kV _{rms} (at sea level)
Test voltage	2 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	3.1 kg/100 m	
Min. bending radius	static repeated (for ≤ 50 bendings)	25 mm 40 mm

Environmental Data

Temperature range	-25 °C... +85 °C
Installation temperature	-20 °C... +60 °C
2011/95/EC (RoHS)	compliant

Additional Information

Ordering Information

Order as G_02333

Remarks

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

Suitable Connectors

Cable group X13 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 = 0.8588

b = 0.0352

f_{max} = 1

P at 1GHz = 25

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	0.19	0.059	112
0.1	0.28	0.084	79
0.15	0.34	0.103	65
0.2	0.39	0.119	56
0.25	0.44	0.134	50
0.3	0.48	0.147	46
0.35	0.52	0.159	42
0.4	0.56	0.170	40
0.45	0.59	0.180	37
0.5	0.62	0.190	35
0.55	0.66	0.200	34
0.6	0.69	0.209	32
0.65	0.72	0.218	31
0.7	0.74	0.227	30
0.75	0.77	0.235	29
0.8	0.8	0.243	28
0.85	0.82	0.250	27
0.9	0.85	0.258	26
0.95	0.87	0.265	26
1.0	0.89	0.272	25