

HUBER+SUHNER® DATA SHEET

Coaxial Cable: G_02332



Description

Triax - PE - 50 Ohm

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper	Strand-07	0.49 mm
Dielectric	PE		1.5 mm
Outer conductor	Copper	Braid, 96 %	2 mm
Jacket	PVC	RAL 7035 - gr	2.55 mm +/- 0.13
2 nd Screen	Copper	Braid, 91 %	3.05 mm
Outer Jacket	PVC	RAL 9005 - bk	4.25 mm +/- 0.15
Print	HUBER+SUHNER G 02332 50 Ohm (PA no.)		

Electrical Data

Impedance	50 Ω +/- 2
Max. operating frequency	2 GHz
Capacitance	100.7 pF/m
Velocity of signal propagation	66 %
Signal delay	5.03 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M Ω m
Min. screening effectiveness	>75 dB (up to 2 GHz)
Max. operating voltage	1.5 kV _{rms} (at sea level)
Test voltage	3 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	3 kg/100 m
Min. bending radius	static 20 mm
	repeated (for max. 50 bendings) 42 mm

Environmental Data

Temperature range	-40 °C... + 85 °C
Installation temperature	-20 °C... + 60 °C
2002/95/EC (RoHS)	compliant

Ordering Information

Order as G_02332

Additional Information

Remarks

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

Suitable Connectors

Cable group	crimped —
	clamped (W1)
	soldered —

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Rev.: G

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

Coefficients:

a=	0.817	b=	0.1489	f _{max} =	2	p _{at} 1GHz =	38
	Frequency		Nom. attenuation		Nom. attenuation		Max. CW power
	(GHz)		(dB / m)		(dB / ft)		(watt)
			sea level 25° C ambient temperature		sea level 25° C ambient temperature		sea level 40° C ambient temperature
	0.1		0.27		0.082		120
	0.2		0.40		0.122		85
	0.3		0.49		0.149		69
	0.4		0.58		0.177		60
	0.5		0.65		0.198		54
	0.6		0.72		0.219		49
	0.7		0.79		0.241		45
	0.8		0.85		0.259		42
	0.9		0.91		0.277		40
	1.0		0.97		0.296		38
	1.1		1.02		0.311		36
	1.2		1.07		0.326		35
	1.3		1.13		0.344		33
	1.4		1.18		0.360		32
	1.5		1.22		0.372		31
	1.6		1.27		0.387		30
	1.7		1.32		0.402		29
	1.8		1.36		0.415		28
	1.9		1.41		0.430		28
	2.0		1.45		0.442		27

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

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