

HUBER+SUHNER® DATA SHEET

Coaxial Cable: G_03332



Description

Triax - PE - 50 Ohm

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper	Strand-07	0.95 mm
Dielectric	PE		2.95 mm
Outer conductor	Copper	Braid, 95 %	3.6 mm
Jacket	PVC	RAL 9005 - bk	5 mm +/- 0.15
2 nd Screen	Copper	Braid, 91 %	5.7 mm
Outer Jacket	PVC	RAL 9005 - bk	7.3 mm +/- 0.3
Print	HUBER+SUHNER G 03332 50 Ohm (PA no.)		

Electrical Data

Impedance	50 Ω +/- 2
Max. operating frequency	1 GHz
Capacitance	100.7 pF/m
Velocity of signal propagation	66 %
Signal delay	5.02 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M Ω m
Min. screening effectiveness	>40 dB (up to 1 GHz)
Max. operating voltage	2.5 kV _{rms} (at sea level)
Test voltage	5 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	9 kg/100 m
Min. bending radius	static 36 mm
	repeated (for max. 50 bendings) 75 mm
	dynamic 146 mm

Environmental Data

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

Ordering Information

Order as G_03332

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 (W2) —
	soldered —

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Rev.: I



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

Coefficients:

a=	0.4027	b=	0.08	f _{max} =	1	p _{at} 1GHz =	75
	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
	0.05		0.09		0.027		335
	0.10		0.14		0.043		237
	0.15		0.17		0.052		194
	0.20		0.20		0.061		168
	0.25		0.22		0.067		150
	0.30		0.24		0.073		137
	0.35		0.27		0.082		127
	0.40		0.29		0.088		119
	0.45		0.31		0.094		112
	0.50		0.32		0.098		106
	0.55		0.34		0.104		101
	0.60		0.36		0.110		97
	0.65		0.38		0.116		93
	0.70		0.39		0.119		90
	0.75		0.41		0.125		87
	0.80		0.42		0.128		84
	0.85		0.44		0.134		81
	0.90		0.45		0.137		79
	0.95		0.47		0.143		77
	1.00		0.48		0.146		75

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

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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