

HUBER+SUHNER® DATA SHEET

Coaxial Cable: G_01132-06



Description

PE-50 Ohm - single screen

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper	Wire	0.3 mm
Dielectric	PE		1 mm
Outer conductor	Copper, Silver plated	Braid, 96 %	1.4 mm
Jacket	PVC	RAL 4005 - vio	1.8 mm +/- 0.05
Print	HUBER+SUHNER G 01132-06 50 Ohm (PA no.)		

Electrical Data

Impedance	50 Ω +/- 3
Max. operating frequency	3 GHz
Capacitance	101 pF/m
Velocity of signal propagation	66 %
Signal delay	5.03 ns/m
Insulation resistance	$\geq 1 \times 10^8 \text{ M}\Omega\text{m}$
Min. screening effectiveness	>38 dB (up to 3 GHz)
Max. operating voltage	1 kV _{rms} (at sea level)
Test voltage	2 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	0.6 kg/100 m
Min. bending radius	static 9 mm
	repeated (for max. 50 bendings) 20 mm

Environmental Data

Temperature range	-25 °C... + 85 °C
Installation temperature	-20 °C... + 60 °C
2002/95/EC (RoHS)	compliant

Ordering Information

Order as G_01132-06

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 (U1)
	clamped (U1)
	soldered —

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

Coefficients:

a=	1.2694	b=	0.1746	f _{max} =	3	p _{at} 1GHz =	22
	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
	0.2		0.60		0.183		49
	0.3		0.75		0.229		40
	0.5		0.98		0.299		31
	0.6		1.09		0.332		28
	0.8		1.28		0.390		25
	0.9		1.36		0.415		23
	1.1		1.52		0.463		21
	1.2		1.60		0.488		20
	1.4		1.75		0.533		19
	1.5		1.82		0.555		18
	1.7		1.95		0.594		17
	1.8		2.02		0.616		16
	2.0		2.14		0.652		16
	2.1		2.21		0.674		15
	2.3		2.33		0.710		15
	2.4		2.39		0.728		14
	2.6		2.50		0.762		14
	2.7		2.56		0.780		13
	2.9		2.67		0.814		13
	3.0		2.72		0.829		13

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

WAIVER!

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