

# HUBER+SUHNER® DATA SHEET

## Coaxial Cable: G\_07262



### Description

PE-50 Ohm - single screen

### Technical Data

#### Construction

	Material	Detail	Diameter
Centre conductor	Copper	Strand-07	2.25 mm
Dielectric	PE		7.28 mm
Outer conductor	Copper	Braid, 96 %	8.1 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	10.3 mm +/- 0.15
Print	HUBER+SUHNER G 07262 50 Ohm (PA no.)		

#### Electrical Data

Impedance	50	$\Omega$ +/- 2
Max. operating frequency	1	GHz
Capacitance	101	pF/m
Velocity of signal propagation	66	%
Signal delay	5.03	ns/m
Insulation resistance	$\geq 1 \times 10^8$	M $\Omega$ m
Min. screening effectiveness	>40	dB (up to 1 GHz)
Max. operating voltage		kV <sub>rms</sub> (at sea level)
Test voltage	10	kV <sub>rms</sub> (50 Hz/1 min)

#### Mechanical Data

Weight		15.3	kg/100 m
Min. bending radius	static	50	mm
	repeated (for max. 50 bendings)	100	mm

#### Environmental Data

Temperature range		-40 °C... + 85 °C
Installation temperature		-20 °C... + 60 °C
Flammability	IEC 60332-1	
Halogen free	IEC 60754	
2002/95/EC (RoHS)	compliant	

#### Ordering Information

Order as G\_07262

#### 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 (U29)
	clamped (U28)
	soldered —

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Rev.: H

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

Coefficients:

a=	0.1679	b=	0.0585	f <sub>max</sub> =	1	p <sub>at</sub> 1GHz =	310
	<b>Frequency</b>		<b>Nom. attenuation</b>		<b>Nom. attenuation</b>		<b>Max. CW power</b>
	<b>(GHz)</b>		<b>(dB / m)</b>		<b>(dB / ft)</b>		<b>(watt)</b>
			sea level 25° C ambient temperature		sea level 25° C ambient temperature		sea level 40° C ambient temperature
	0.05		0.04		0.012		1386
	0.10		0.06		0.018		980
	0.15		0.07		0.021		800
	0.20		0.09		0.027		693
	0.25		0.10		0.030		620
	0.30		0.11		0.034		566
	0.35		0.12		0.037		524
	0.40		0.13		0.040		490
	0.45		0.14		0.043		462
	0.50		0.15		0.046		438
	0.55		0.16		0.049		418
	0.60		0.17		0.052		400
	0.65		0.17		0.052		385
	0.70		0.18		0.055		371
	0.75		0.19		0.058		358
	0.80		0.20		0.061		347
	0.85		0.20		0.061		336
	0.90		0.21		0.064		327
	0.95		0.22		0.067		318
	1.00		0.23		0.070		310

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

**WAIVER!**

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