

# HUBER+SUHNER® DATA SHEET

## Coaxial Cable: S\_07262\_BD



### Description

PE Foam - 50 Ohm - high screened - precision type

### Technical Data

#### Construction

	Material	Detail	Diameter
Centre conductor	Copper, Silver plated	Strand-07	2.82 mm
Dielectric	SPE (Foamed Polyethylene)		7.38 mm
Outer conductor	Copper, Silver plated	Braid, 96 %	8 mm
Outer conductor	Copper	wrapped Foil, 100 %	8.1 mm
Outer conductor	Copper, Tin plated	Braid, 93 %	9 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	10.8 mm +/- 0.15
Print	HUBER+SUHNER S 07262 BD 50 Ohm (PA no.)		

#### Electrical Data

Impedance	50 $\Omega$ +/- 1
Max. operating frequency	3 GHz
Capacitance	82 pF/m
Velocity of signal propagation	82 %
Signal delay	4.1 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M $\Omega$ m
Min. screening effectiveness	>90 dB (up to 3 GHz)
Max. operating voltage	1.05 kV <sub>rms</sub> (at sea level)
Test voltage	2.1 kV <sub>rms</sub> (50 Hz/1 min)

#### Mechanical Data

Weight	20.6 kg/100 m
Min. bending radius	static 70 mm
	repeated (for max. 50 bendings) 110 mm

#### Environmental Data

Temperature range	-40 °C... + 85 °C
Installation temperature	-20 °C... + 60 °C
Flammability	IEC 60332-1
Ozone test	IEC 811-2-1 - class 8
Halogen free	IEC 60754
2002/95/EC (RoHS)	compliant

#### Ordering Information

Order as S\_07262\_BD

#### Additional Information

##### Remarks

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

**Cable group** S32 7 mm / 50 Ohm

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Rev.: L

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

Coefficients:

a=	0.1507	b=	0.0353	f <sub>max.</sub> =	3	p <sub>at</sub> 1GHz =	520
	<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
	0.2		0.07		0.021		1163
	0.3		0.09		0.027		949
	0.5		0.12		0.037		735
	0.6		0.14		0.043		671
	0.8		0.16		0.049		581
	0.9		0.17		0.052		548
	1.1		0.20		0.061		496
	1.2		0.21		0.064		475
	1.4		0.23		0.070		439
	1.5		0.24		0.073		425
	1.7		0.26		0.079		399
	1.8		0.27		0.082		388
	2.0		0.28		0.085		368
	2.1		0.29		0.088		359
	2.3		0.31		0.094		343
	2.4		0.32		0.098		336
	2.6		0.33		0.101		322
	2.7		0.34		0.104		316
	2.9		0.36		0.110		305
	3.0		0.37		0.113		300

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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