

# HUBER+SUHNER® DATA SHEET

## Coaxial Cable: S\_04262\_D



### Description

Double screened coaxial cable - flame retardant - free of halogen

### Technical Data

#### Construction

	Material	Detail	Diameter
Centre conductor	Copper, Silver plated	Wire	1.4 mm
Dielectric	SPE (Foamed Polyethylene)		3.78 mm
Outer conductor	Copper, Silver plated	Braid, 96 %	4.2 mm
Outer conductor	Copper, Silver plated	Braid, 94 %	4.7 mm
Jacket	PE (LSFH)	RAL 9005 - bk	5.7 mm +/- 0.1
Print	HUBER+SUHNER S 04262 D 50 Ohm (PA no.)		

#### Electrical Data

Impedance	50 $\Omega$ +/- 2
Max. operating frequency	6 GHz
Capacitance	82 pF/m
Velocity of signal propagation	82 %
Signal delay	4.08 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M $\Omega$ m
Min. screening effectiveness	>80 dB (up to 6 GHz)
Max. operating voltage	0.5 kV <sub>rms</sub> (at sea level)
Test voltage	1 kV <sub>rms</sub> (50 Hz/1 min)

#### Mechanical Data

Weight	5.5 kg/100 m
Min. bending radius	static 30 mm
	dynamic 85 mm

#### Environmental Data

Temperature range	-40 °C... + 85 °C
Installation temperature	-20 °C... + 60 °C
Flammability	IEC 60332-1, UL 1581 - §1080 (VW-1)
Halogen free	IEC 60754
2002/95/EC (RoHS)	compliant

#### Ordering Information

Order as S\_04262\_D

#### 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 (S16)
	clamped —
	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=	0.2938	b=	0.0401	f <sub>max.</sub> =	6	p <sub>at</sub> 1GHz =	127
	<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
	0.3		0.17		0.052		232
	0.6		0.25		0.076		164
	0.9		0.31		0.094		134
	1.2		0.37		0.113		116
	1.5		0.42		0.128		104
	1.8		0.47		0.143		95
	2.1		0.51		0.155		88
	2.4		0.55		0.168		82
	2.7		0.59		0.180		77
	3.0		0.63		0.192		73
	3.3		0.67		0.204		70
	3.6		0.70		0.213		67
	3.9		0.74		0.226		64
	4.2		0.77		0.235		62
	4.5		0.80		0.244		60
	4.8		0.84		0.256		58
	5.1		0.87		0.265		56
	5.4		0.90		0.274		55
	5.7		0.93		0.283		53
	6.0		0.96		0.293		52

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

**WAIVER!**

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