

Coaxial Cable S_04262_D-02

Description

PE Foam - 50 Ohm - double screen



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper, Silver plated	Strand-19	1.43 mm
Dielectric	SPE (Foamed Polyethylene)		3.77 mm
Outer conductor	Copper, Silver plated	Braid, 92%	4.35 mm
Outer conductor	Copper, Silver plated	Braid, 77 %	5.25 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	6.5 mm +/- 0.15

Print: HUBER+SUHNER S 04262 D-02 50 Ohm (PA no.)

Electrical Data

Impedance	50 Ω +/- 2
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 Ω m
Min. screening effectiveness	≥ 80 dB (up to 6 GHz)
Max. operating voltage	≤ 0.5 kV _{rms} (at sea level)
Test voltage	1 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	6.8 kg/100 m
Min. bending radius	static 32 mm
	repeated (for ≤ 50 bendings) 65 mm

Environmental Data

Temperature range	-40 °C... +85 °C
Installation temperature	-20 °C... +60 °C
Flammability	IEC 60332-1,
Halogen test	IEC 60754
2011/65/EU (RoHS)	compliant

Additional Information

Ordering Information

Order as S_04262_D-02

Remarks

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

Suitable Connectors

Cable group X8 4 mm / 50 Ohm

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

Coefficients:

a = 0.3026

b = 0.0525

f_{max} = 6

P at 1GHz = 127

Frequency (GHz)	Nom. attenuation (dB / m) sea level 25° C ambient temperature	Nom. attenuation (dB / ft) sea level 25° C ambient temperature	Max. CW power (watt) sea level 40° C ambient temperature
0,3	0,18	0,055	232
0,6	0,27	0,081	164
0,9	0,33	0,102	134
1,2	0,39	0,120	116
1,5	0,45	0,137	104
1,8	0,5	0,153	95
2,1	0,55	0,167	88
2,4	0,59	0,181	82
2,7	0,64	0,195	77
3,0	0,68	0,208	73
3,3	0,72	0,220	70
3,6	0,76	0,233	67
3,9	0,8	0,245	64
4,2	0,84	0,256	62
4,5	0,88	0,268	60
4,8	0,91	0,279	58
5,1	0,95	0,290	56
5,4	0,99	0,301	55
5,7	1,02	0,311	53
6,0	1,06	0,322	52