Data Sheet

Coaxial Cable
S_07262_BD-AH

Description

Flexible -low-loss -high screened -flame retardant -free of halogen -presicion 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
Armor	Steel, Zinc plated	Braid, 85%	
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	15.7 mm +/- 0.35

Print: HUBER+SUHNER S 07262 BD AH 50 Ohm (PA no.)

Electrical Data

Impedance	50 Ω +/- 1
Operating Frequency	2 GHz
Capacitance	82 pF/m
Velocity of signal propagation	81 %
Signal delay	4.1 ns/m
Insulation resistance	≥ 1 x 10^8 MΩm
Max. operating voltage	≤ 1.05 kV_{rms} (at sea level)
Test voltage	2.1 kV_{rms} (50 Hz/1 min)

Mechanical Data

Weight		40.5 kg/100 m
Min. bending radius	static	90 mm
	repeated (for ≤ 50 bendings)	140 mm

Environmental Data

Temperature range	-40 °C... +85 °C
Installation temperature	-20 °C... +60 °C
2011/65/EU (RoHS)	compliant

Additional Information

Ordering Information

Order as	S_07262_BD-AH

Remarks

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

Suitable Connectors

Cable group	S32 7 mm / 50 Ohm

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Matrix typical Attenuation [formula: (a*f^0.5 + b*f)] and maximum Power CW [formula: (p/f^0.5)]
Coefficients:

a = 0.161	b = 0.0337	f_{max} = 2	P at 1GHz = 520

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
0,1	0,05	0,017	1644
0,2	0,08	0,024	1163
0,3	0,1	0,030	949
0,4	0,12	0,035	822
0,5	0,13	0,040	735
0,6	0,14	0,044	671
0,7	0,16	0,048	622
0,8	0,17	0,052	581
0,9	0,18	0,056	548
1,0	0,19	0,059	520
1,1	0,21	0,063	496
1,2	0,22	0,066	475
1,3	0,23	0,069	456
1,4	0,24	0,072	439
1,5	0,25	0,076	425
1,6	0,26	0,079	411
1,7	0,27	0,081	399
1,8	0,28	0,084	388
1,9	0,29	0,087	377
2,0	0,3	0,090	368