



SUHNER® COAXIAL CABLE DATA SHEET

TYPE S 07233 B-60

Double screened coaxial cable (UL AWM)

Cable Design



	Material	Detail	Diameter
Centre conductor:	Cu	Wire (1.57 mm)	1.57 mm
Dielectric:	SPE		7.25 mm
1. Outer conductor:	Al-PETP longitudinal Foil	100% coverage	7.3 mm
2. Outer conductor:	CuSn Braid	89% coverage	8.1 mm
Jacket:	UL-PVC	RAL 9005 - bk	10.3 mm +/-0.1
Print:	SUHNER SWITZERLAND S 07233 B-60 (UR) AWM		

Electrical Data

Impedance:	75 Ω +/-3
Max. operating frequency:	2 GHz
Capacitance :	54.4 pF / m
Velocity of signal propagation:	82 %
Signal delay:	4.08 ns / m
Min. screening effectiveness:	> 90 dB (up to 2 GHz)
Max. operating voltage:	1 kV _{rms} (at sea level)
Test voltage:	2 kV _{rms} (50 Hz/ 1min)
Insulation resistance:	> 10 M Ω m

General Data

Temperature range:	-20 °C...+ 85 °C
Weight:	12.4 kg / 100 m
Min. bending radius :	static 100 mm
	repeated (for max. 50 bendings) 150 mm

Suitable Connectors

Cable group * / n/a
 (for details refer to the "SUHNER coaxial connector catalogue" or contact you nearest HUBER+SUHNER partner)

Notes

Order as **S 07233 B-60** under article number **22511786**

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

Coefficients:

a= 0.1294

b= 0.0329

f_{max}= 2

p_{at 1GHz} = 350

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
0.10	0.044	0.0134	1106.8
0.20	0.064	0.0195	782.6
0.30	0.081	0.0247	639.0
0.40	0.095	0.0290	553.4
0.50	0.108	0.0329	495.0
0.60	0.120	0.0366	451.8
0.70	0.131	0.0399	418.3
0.80	0.142	0.0433	391.3
0.90	0.152	0.0463	368.9
1.00	0.162	0.0494	350.0
1.10	0.172	0.0524	333.7
1.20	0.181	0.0552	319.5
1.30	0.190	0.0579	307.0
1.40	0.199	0.0607	295.8
1.50	0.208	0.0634	285.8
1.60	0.216	0.0658	276.7
1.70	0.225	0.0686	268.4
1.80	0.233	0.0710	260.9
1.90	0.241	0.0735	253.9
2.00	0.249	0.0759	247.5

Flame propagation: UL (horizontal flame test)

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