



SUHNER® COAXIAL CABLE DATA SHEET

TYPE GX 03262

Single screened coaxial cable - flame retardant - free of halogen

Cable Design



	Material	Detail	Diameter
Centre conductor:	CuSn	Strand-19 (0.19 mm)	0.94 mm
Dielectric:	PEX		2.95 mm
1. Outer conductor:	CuSn Braid	96% coverage	3.6 mm
2. Outer conductor:	Al-PETP wrapped Foil	100% coverage	3.8 mm
Jacket:	LSFH	RAL 9005 - bk	5.2 mm +/-0.15
Print:	SUHNER SWITZERLAND GX 03262 50 Ohm		

Electrical Data

Impedance:	50 Ω +/-2
Max. operating frequency:	1 GHz
Capacitance :	100.7 pF / m
Velocity of signal propagation:	66 %
Signal delay:	5.03 ns / m
Min. screening effectiveness:	> 35 dB (up to 0.3 GHz)
Max. operating voltage:	2.5 kV _{rms} (at sea level)
Test voltage:	5 kV _{rms} (50 Hz/ 1min)
Insulation resistance:	> 10 M Ω m

General Data

Temperature range:	-40 °C...+ 85 °C
Weight:	4.3 kg / 100 m
Min. bending radius :	static 30 mm
	repeated (for max. 50 bendings) 55 mm
	dynamic 100 mm

Suitable Connectors

Cable group *U7 / U7*
(for details refer to the "SUHNER coaxial connector catalogue" or contact you nearest HUBER+SUHNER partner)

Notes

Order as **GX 03262** under article number **22511645**

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

Coefficients:

$a = 0.3862$

$b = 0.2135$

$f_{\max} = 1$

$p_{\text{at } 1\text{GHz}} = 205$

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
0.05	0.097	0.0296	916.8
0.10	0.143	0.0436	648.3
0.15	0.182	0.0555	529.3
0.20	0.215	0.0655	458.4
0.25	0.246	0.0750	410.0
0.30	0.276	0.0841	374.3
0.35	0.303	0.0923	346.5
0.40	0.330	0.1006	324.1
0.45	0.355	0.1082	305.6
0.50	0.380	0.1158	289.9
0.55	0.404	0.1231	276.4
0.60	0.427	0.1301	264.7
0.65	0.450	0.1372	254.3
0.70	0.473	0.1442	245.0
0.75	0.495	0.1509	236.7
0.80	0.516	0.1573	229.2
0.85	0.538	0.1640	222.4
0.90	0.559	0.1704	216.1
0.95	0.579	0.1765	210.3
1.00	0.600	0.1829	205.0

Test (following tests have been passed successfully)

Flame propagation: IEC 332-3 (C)

Halogen content IEC 754

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