



SUHNER® COAXIAL CABLE DATA SHEET

TYPE GX 03262 D-01

Double screened coaxial cable - flame retardant - free of halogen

Cable Design



	Material	Detail	Diameter
Centre conductor:	CuAg	Wire (0.88 mm)	0.88 mm
Dielectric:	PEX		2.95 mm
1. Outer conductor:	CuAg Braid	96% coverage	3.6 mm
2. Outer conductor:	CuAg Braid	94% coverage	4.2 mm
Jacket:	LSFH	RAL 9005 - bk	5.6 mm +/-0.1
Print:	SUHNER SWITZERLAND GX 03262 D-01 50 Ohm		

Armour H: n/a

Electrical Data

Impedance:	50 Ω +/-2
Max. operating frequency:	6 GHz
Capacitance :	100.7 pF / m
Velocity of signal propagation:	66 %
Signal delay:	5.03 ns / m
Min. screening effectiveness:	> 80 dB (up to 6 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:	5.9 kg / 100 m
Min. bending radius :	static 35 mm
	repeated (for max. 50 bendings) 60 mm
	dynamic 120 mm

Suitable Connectors

Cable group U9 / U10
(for details refer to the "SUHNER coaxial connector catalogue" or contact you nearest HUBER+SUHNER partner)

Notes

Order as **GX 03262 D-01** under article number **22511932**

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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:

$a = 0.3952$

$b = 0.0779$

$f_{\max} = 6$

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

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
0.30	0.240	0.0731	374.3
0.60	0.353	0.1076	264.7
0.90	0.445	0.1356	216.1
1.20	0.526	0.1603	187.1
1.50	0.601	0.1832	167.4
1.80	0.670	0.2042	152.8
2.10	0.736	0.2243	141.5
2.40	0.799	0.2435	132.3
2.70	0.860	0.2621	124.8
3.00	0.918	0.2798	118.4
3.30	0.975	0.2972	112.8
3.60	1.030	0.3139	108.0
3.90	1.084	0.3304	103.8
4.20	1.137	0.3465	100.0
4.50	1.189	0.3624	96.6
4.80	1.240	0.3779	93.6
5.10	1.290	0.3932	90.8
5.40	1.339	0.4081	88.2
5.70	1.388	0.4230	85.9
6.00	1.435	0.4374	83.7

Test (following tests have been passed successfully)

Flame propagation: IEC 332-3 (C)

Halogen content IEC 754

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