

HUBER+SUHNER® DATA SHEET

Coaxial Cable: G_03262-01



Description

PE-50 Ohm - single screen

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper, Tin plated	Strand-19	0.9 mm
Dielectric	PE (Polyethylene)		2.95 mm
Outer conductor	Copper, Tin plated	Braid, 96 %	3.6 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	4.95 mm +/- 0.15
Print	HUBER+SUHNER G 03262-01 50 Ohm (PA no.)		

Electrical Data

Impedance	50	Ω +/- 2
Max. operating frequency	1	GHz
Capacitance	101	pF/m
Velocity of signal propagation	66	%
Signal delay	5	ns/m
Insulation resistance	≥ 1 x	10 ⁸ MΩm
Max. operating voltage	2.5	kV _{rms} (at sea level)
Test voltage	5	kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	3.9	kg/100 m
Min. bending radius	static	20 mm
	repeated (for max. 50 bendings)	50 mm
	dynamic	100 mm

Environmental Data

Temperature range	-40 °C... + 85 °C
Installation temperature	-20 °C... + 60 °C
Flammability	IEC 60332-1
2002/95/EC (RoHS)	compliant

Ordering Information

Order as G_03262-01

Additional Information

Remarks

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

Cable group U7 3 mm / 50 Ohm

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Rev.: F

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

Coefficients:

a=	0.4617	b=	0.2295	f _{max.} =	1	p _{at} 1GHz =	70
	Frequency		Nom. attenuation		Nom. attenuation		Max. CW power
	(GHz)		(dB / m)		(dB / ft)		(watt)
			sea level 25° C ambient temperature		sea level 25° C ambient temperature		sea level 40° C ambient temperature
	0.05		0.11		0.034		313
	0.10		0.17		0.052		221
	0.15		0.21		0.064		181
	0.20		0.25		0.076		157
	0.25		0.29		0.088		140
	0.30		0.32		0.098		128
	0.35		0.35		0.107		118
	0.40		0.38		0.116		111
	0.45		0.41		0.125		104
	0.50		0.44		0.134		99
	0.55		0.47		0.143		94
	0.60		0.50		0.152		90
	0.65		0.52		0.158		87
	0.70		0.55		0.168		84
	0.75		0.57		0.174		81
	0.80		0.60		0.183		78
	0.85		0.62		0.189		76
	0.90		0.64		0.195		74
	0.95		0.67		0.204		72
	1.00		0.69		0.210		70

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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