

HUBER+SUHNER® DATA SHEET

Coaxial Cable: G_03262_D



Description

PE-50 Ohm - double screen

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper, Silver plated	Wire	0.88 mm
Dielectric	PE		2.95 mm
Outer conductor	Copper, Silver plated	Braid, 96 %	3.6 mm
Outer conductor	Copper, Silver plated	Braid, 94 %	4.2 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	5.4 mm +/- 0.1
Print	HUBER+SUHNER G 03262 D 50 Ohm (PA no.)		

Electrical Data

Impedance	50 Ω +/- 2
Max. operating frequency	6 GHz
Capacitance	101 pF/m
Velocity of signal propagation	66 %
Signal delay	5.03 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M Ω m
Min. screening effectiveness	>80 dB (up to 1 GHz)
Max. operating voltage	kV _{rms} (at sea level)
Test voltage	5 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	5.5 kg/100 m
Min. bending radius	static 27 mm
	repeated (for max. 50 bendings) 55 mm

Environmental Data

Temperature range	-40 °C... + 85 °C
Installation temperature	-20 °C... + 60 °C
Flammability	IEC 60332-1, UL 1581 - §1080 (VW-1)
Halogen free	IEC 60754
2002/95/EC (RoHS)	compliant

Ordering Information

Order as G_03262_D

Additional Information

Remarks

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

Suitable Connectors

Cable group	crimped (U9)
	clamped (U10)
	soldered —

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Rev.: H

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

Coefficients:

a=	0.3756	b=	0.0749	f _{max} =	6	p _{at} 1GHz =	100
	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
	0.3		0.23		0.070		183
	0.6		0.34		0.104		129
	0.9		0.42		0.128		105
	1.2		0.50		0.152		91
	1.5		0.57		0.174		82
	1.8		0.64		0.195		75
	2.1		0.70		0.213		69
	2.4		0.76		0.232		65
	2.7		0.82		0.250		61
	3.0		0.88		0.268		58
	3.3		0.93		0.283		55
	3.6		0.98		0.299		53
	3.9		1.03		0.314		51
	4.2		1.08		0.329		49
	4.5		1.13		0.344		47
	4.8		1.18		0.360		46
	5.1		1.23		0.375		44
	5.4		1.28		0.390		43
	5.7		1.32		0.402		42
	6.0		1.37		0.418		41

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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