

HUBER+SUHNER® DATA SHEET

Coaxial Cable: G_07262_D



Description

PE-50 Ohm - double screen - precision type

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper, Silver plated	Strand-07	2.25 mm
Dielectric	PE		7.28 mm
Outer conductor	Copper, Silver plated	Braid, 93 %	8 mm
Outer conductor	Copper, Silver plated	Braid, 95 %	8.7 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	10.8 mm +/- 0.15
Print	HUBER+SUHNER G 07262 D 50 Ohm (PA no.)		

Electrical Data

Impedance	50	Ω +/- 1
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	10	kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	19.7	kg/100 m
Min. bending radius	static	54 mm
	repeated (for max. 50 bendings)	108 mm

Environmental Data

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

Ordering Information

Order as G_07262_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 (U32)
	clamped (U33)
	soldered —

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Rev.: G

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

Coefficients:

a=	0.1884	b=	0.0646	f _{max} =	6	p _{at} 1GHz =	310
	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		0.12		0.037		566
	0.6		0.18		0.055		400
	0.9		0.24		0.073		327
	1.2		0.28		0.085		283
	1.5		0.33		0.101		253
	1.8		0.37		0.113		231
	2.1		0.41		0.125		214
	2.4		0.45		0.137		200
	2.7		0.48		0.146		189
	3.0		0.52		0.158		179
	3.3		0.56		0.171		171
	3.6		0.59		0.180		163
	3.9		0.62		0.189		157
	4.2		0.66		0.201		151
	4.5		0.69		0.210		146
	4.8		0.72		0.219		141
	5.1		0.75		0.229		137
	5.4		0.79		0.241		133
	5.7		0.82		0.250		130
	6.0		0.85		0.259		127

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

WAIVER!

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HUBER+SUHNER AG
RF Industrial
9100 Herisau, Switzerland
 Phone +41 (0)71 353 41 11
 Fax +41 (0)71 353 45 90
 www.hubersuhner.com

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