

HUBER+SUHNER® DATA SHEET

Coaxial Cable: K_03252_D-06



Description

FEP - 50 Ohm - double screen

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Steel, Copper+Silver plated	Wire	0.95 mm
Dielectric	FEP		2.95 mm
Outer conductor	Steel, Copper+Silver plated	Braid, 90 %	3.4 mm
	Steel, Copper+Silver plated	Braid, 90 %	3.85 mm
Jacket	FEP	RAL 9005 - bk	4.35 mm
Print	HUBER+SUHNER K 03252 D-06 50 Ohm (PA.no)		

Electrical Data

Impedance	50	Ω +/- 2
Max. operating frequency	5	GHz
Capacitance	99	pF/m
Velocity of signal propagation	69	%
Signal delay	4.8	ns/m
Insulation resistance	$\geq 1 \times 10^8$	M Ω m
Max. operating voltage	2.8	kV _{rms} (at sea level)
Test voltage	5.7	kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	5.1	kg/100 m
Min. bending radius	static	30 mm
	repeated (for max. 50 bendings)	50 mm

Environmental Data

Temperature range	-100 °C... + 200 °C
2002/95/EC (RoHS)	compliant

Ordering Information

Order as	K_03252_D-06
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Additional Information

Remarks

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

Cable group

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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=	0.3752	b=	0.1652	f _{max.} =	5	p _{at} 1GHz =	350
	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		0.26		0.079		639
	0.5		0.35		0.107		495
	0.8		0.47		0.143		391
	1.0		0.54		0.165		350
	1.3		0.64		0.195		307
	1.5		0.71		0.216		286
	1.8		0.80		0.244		261
	2.0		0.86		0.262		247
	2.3		0.95		0.290		231
	2.5		1.01		0.308		221
	2.8		1.09		0.332		209
	3.0		1.15		0.351		202
	3.3		1.23		0.375		193
	3.5		1.28		0.390		187
	3.8		1.36		0.415		180
	4.0		1.41		0.430		175
	4.3		1.49		0.454		169
	4.5		1.54		0.469		165
	4.8		1.61		0.491		160
	5.0		1.66		0.506		157

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

WAIVER!

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