Data Sheet

Coaxial Cable
K_02252_D-08

Description

FEP - 50 Ohm - double screen

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper, Silver plated	Strand-07	0.54 mm
Dielectric	FEP (Fluorinated ethylene propylene)		1.54 mm
Outer conductor	Copper, Silver plated	Braid, 96%	2 mm
Outer conductor	Copper, Silver plated	Braid, 91 %	2.5 mm
Jacket	FEP (Fluorinated ethylene propylene)	RAL 8015 - br	3 mm +/- 0.1

Print: HUBER+SUHNER K 02252 D-08 50 Ohm (PA no.)

Electrical Data

Impedance	50 Ω +/- 2
Operating Frequency	6 GHz
Capacitance	97 pF/m
Velocity of signal propagation	69 %
Signal delay	4.83 ns/m
Insulation resistance	≥ 1 x 10^8 MΩm
Min. screening effectiveness	≥ 82 dB (up to 1 GHz)
Max. operating voltage	≤ 1.8 kV_{rms} (at sea level)
Test voltage	3.8 kV_{rms} (50 Hz/1 min)

Mechanical Data

Weight		2.4 kg/100 m
Min. bending radius	static	18 mm
	repeated (for ≤ 50 bendings)	30 mm
	dynamic	45 mm

Environmental Data

Temperature range	-65 °C... +165 °C
Installation temperature	-20 °C... +60 °C
Flammability	IEC 60332-3, ,
2011/95/EC (RoHS)	compliant

Additional Information

Ordering Information

Order as	K_02252_D-08

Remarks

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

Suitable Connectors

Cable group	U4 2 mm / 50 Ohm

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Matrix typical Attenuation [formula: (a*f^0.5 + b*f)] and maximum Power CW [formula: (p/f^0.5)]
Coefficients:

a =	0.7905	b =	0.1703	f_{max} =	6	P at 1GHz =	154

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	0,48	0,148	281
0,6	0,71	0,218	199
0,9	0,9	0,275	162
1,2	1,07	0,326	141
1,5	1,22	0,373	126
1,8	1,37	0,417	115
2,1	1,5	0,458	106
2,4	1,63	0,498	99
2,7	1,76	0,536	94
3,0	1,88	0,573	89
3,3	2,0	0,609	85
3,6	2,11	0,644	81
3,9	2,23	0,678	78
4,2	2,34	0,712	75
4,5	2,44	0,745	73
4,8	2,55	0,777	70
5,1	2,65	0,809	68
5,4	2,76	0,840	66
5,7	2,86	0,871	65
6,0	2,96	0,902	63