

Coaxial Cable S_04263

Description

PE Foam - 75 Ohm - single screen



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper	Wire	0.83 mm
Dielectric	SPE (Foamed Polyethylene)		3.7 mm
Outer conductor	Copper	Braid, 92%	4.35 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	6.1 mm +/- 0.1

Print: HUBER+SUHNER S 04263 75 Ohm (PA no.)

Electrical Data

Impedance	75 Ω +/- 3
Operating Frequency	1 GHz
Capacitance	54 pF/m
Velocity of signal propagation	82 %
Signal delay	4.08 ns/m
Insulation resistance	$\geq 1 \times 10^8$ MQm
Min. screening effectiveness	≥ 40 dB (up to 1 GHz)
Max. operating voltage	≤ 0.5 kV _{rms} (at sea level)
Test voltage	1 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	4.7 kg/100 m
Min. bending radius	static 35 mm
	repeated (for ≤ 50 bendings) 61 mm

Environmental Data

Temperature range	-40 °C... +85 °C
Installation temperature	-20 °C... +60 °C
Flammability	IEC 60332-1,
Halogen test	IEC 60754
2011/65/EU (RoHS)	compliant

Additional Information

Ordering Information

Order as S_04263

Remarks

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

Suitable Connectors

Cable group U17 4 mm / 75 Ohm

Coaxial Cable

S_04263

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

Coefficients:

a = 0.2622

b = 0.036

f_{max} = 1

P at 1GHz = 150

Frequency (GHz)	Nom. attenuation (dB / m) sea level 25° C ambient temperature	Nom. attenuation (dB / ft) sea level 25° C ambient temperature	Max. CW power (watt) sea level 40° C ambient temperature
0,05	0,06	0,018	671
0,1	0,09	0,026	474
0,15	0,11	0,033	387
0,2	0,12	0,038	335
0,25	0,14	0,043	300
0,3	0,15	0,047	274
0,35	0,17	0,051	254
0,4	0,18	0,055	237
0,45	0,19	0,059	224
0,5	0,2	0,062	212
0,55	0,21	0,065	202
0,6	0,22	0,068	194
0,65	0,23	0,072	186
0,7	0,24	0,075	179
0,75	0,25	0,077	173
0,8	0,26	0,080	168
0,85	0,27	0,083	163
0,9	0,28	0,086	158
0,95	0,29	0,088	154
1,0	0,3	0,091	150