

## 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 (Polyethylene)		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
Operating Frequency	6 GHz
Capacitance	101 pF/m
Velocity of signal propagation	66 %
Signal delay	5.03 ns/m
Insulation resistance	≥ 1 x 10 <sup>8</sup> MQm
Min. screening effectiveness	≥ 80 dB (up to 1 GHz)
Max. operating voltage	≤ 2.5 kV <sub>rms</sub> (at sea level)
Test voltage	5 kV <sub>rms</sub> (50 Hz/1 min)

#### Mechanical Data

Weight		5.5 kg/100 m
Min. bending radius	static	27 mm
	repeated (for ≤ 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 test	IEC 60754
2011/95/EC (RoHS)	compliant

### Additional Information

#### Ordering Information

Order as G\_03262\_D

#### Remarks

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

#### Suitable Connectors

Cable group U9 3 mm / 50 Ohm

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

Coefficients:

a = 0.3756

b = 0.0749

$f_{\max} = 6$

P at 1GHz = 100

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
0.3	0.23	0.070	183
0.6	0.34	0.102	129
0.9	0.42	0.129	105
1.2	0.5	0.153	91
1.5	0.57	0.174	82
1.8	0.64	0.195	75
2.1	0.7	0.214	69
2.4	0.76	0.232	65
2.7	0.82	0.250	61
3.0	0.88	0.267	58
3.3	0.93	0.283	55
3.6	0.98	0.299	53
3.9	1.03	0.315	51
4.2	1.08	0.330	49
4.5	1.13	0.346	47
4.8	1.18	0.360	46
5.1	1.23	0.375	44
5.4	1.28	0.389	43
5.7	1.32	0.403	42
6.0	1.37	0.417	41