

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 (Polyethylene)		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
Operating Frequency		6 GHz
Capacitance		101 pF/m
Velocity of signal propagation		66 %
Signal delay		5.03 ns/m
Insulation resistance		≥ 1 x 10 ⁸ MΩm
Min. screening effectiveness		≥ 80 dB (up to 1 GHz)
Max. operating voltage		≤ 5 kV _{rms} (at sea level)
Test voltage		10 kV _{rms} (50 Hz/1 min)
Phase vs Temperature	-40°C... + 70°C	
Phase vs Bending		9 °/GHz

Mechanical Data

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

Elimination candidate

Alternative types (both halogen-free): Environflex_B214 (cost-effective) GX_07272_D (105°C version)

Ordering Information

Order as G_07262_D

Remarks

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

Suitable Connectors

Cable group U32 7 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 = 0.1884

b = 0.0646

f_{max} = 6

P at 1GHz = 310

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	0,12	0,037	566
0,6	0,18	0,056	400
0,9	0,24	0,072	327
1,2	0,28	0,087	283
1,5	0,33	0,100	253
1,8	0,37	0,112	231
2,1	0,41	0,125	214
2,4	0,45	0,136	200
2,7	0,48	0,148	189
3,0	0,52	0,159	179
3,3	0,56	0,169	171
3,6	0,59	0,180	163
3,9	0,62	0,190	157
4,2	0,66	0,200	151
4,5	0,69	0,210	146
4,8	0,72	0,220	141
5,1	0,75	0,230	137
5,4	0,79	0,240	133
5,7	0,82	0,249	130
6,0	0,85	0,259	127