Data Sheet

Coaxial Cable
G_04263-03

Description

PE-75 Ohm - single screen - presicion type

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Steel, Copper plated	Wire	0.58 mm
Dielectric	PE (Polyethylene)		3.64 mm
Outer conductor	Copper	Braid, 93%	4.5 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	6.1 mm +/- 0.15

Print: HUBER+SUHNER G 04263-03 75 Ohm (PA no.)

Electrical Data

Impedance	75 Ω +/- 1.5
Operating Frequency	1 GHz
Capacitance	67 pF/m
Velocity of signal propagation	66 %
Signal delay	5.07 ns/m
Insulation resistance	≥ 1 x 10^8 MΩm
Min. screening effectiveness	≥ 40 dB (up to 1 GHz)
Max. operating voltage	≤ 3 kV_{rms} (at sea level)
Test voltage	6 kV_{rms} (50 Hz/1 min)

Mechanical Data

Weight		5.2 kg/100 m
Min. bending radius	static	32 mm
	repeated (for ≤ 50 bendings)	65 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	G_04263-03

Remarks

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

Suitable Connectors

Cable group	U16 4 mm / 75 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 =	0.3314	b =	0.0969	f_{max} =	1	P at 1GHz =	140

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
0,05	0,08	0,024	626
0,1	0,11	0,035	443
0,15	0,14	0,044	361
0,2	0,17	0,051	313
0,25	0,19	0,058	280
0,3	0,21	0,064	256
0,35	0,23	0,070	237
0,4	0,25	0,076	221
0,45	0,27	0,081	209
0,5	0,28	0,086	198
0,55	0,3	0,091	189
0,6	0,31	0,096	181
0,65	0,33	0,101	174
0,7	0,35	0,105	167
0,75	0,36	0,110	162
0,8	0,37	0,114	157
0,85	0,39	0,118	152
0,9	0,4	0,122	148
0,95	0,42	0,127	144
1,0	0,43	0,131	140