

Coaxial Cable
Enviroflex_B223

苏州启道 — 中国区优势专业供应商
sales@qiidao.com

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, Tin plated	Braid, 96%	3.5 mm
Outer conductor	Copper, Tin plated	Braid, 94 %	4.1 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	5.4 mm +/- 0.1

Print: HUBER+SUHNER ENVIROFLEX B223 50 OHM (PA no.)

Electrical Data

Impedance	50 Ω +/- 2
Operating Frequency	6 GHz
Capacitance	102.5 pF/m
Velocity of signal propagation	66 %
Signal delay	5 ns/m
Insulation resistance	≥ 1 x 10 ⁸ MQm
Min. screening effectiveness	≥ 60 dB (up to 6 GHz)
Max. operating voltage	≤ 2.5 kV _{rms} (at sea level)
Test voltage	5 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	5.6 kg/100 m
Min. bending radius	static repeated (for ≤ 50 bendings) dynamic
	30 mm
	54 mm
	60 mm

Environmental Data

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

Additional Information

Ordering Information

Order as	Enviroflex_B223
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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 = 0.3204

b = 0.1374

f_{max} = 6

P at 1GHz = 120

Frequency (GHz)	Nom. attenuation (dB / m)	Nom. attenuation (dB / ft)	Max. CW power (watt)
	sea level 25° C ambient temperature	sea level 25° C ambient temperature	sea level 40° C ambient temperature
0,3	0,22	0,066	219
0,6	0,33	0,101	155
0,9	0,43	0,130	126
1,2	0,52	0,157	110
1,5	0,6	0,182	98
1,8	0,68	0,206	89
2,1	0,75	0,229	83
2,4	0,83	0,252	77
2,7	0,9	0,274	73
3,0	0,97	0,295	69
3,3	1,04	0,316	66
3,6	1,1	0,336	63
3,9	1,17	0,356	61
4,2	1,23	0,376	59
4,5	1,3	0,396	57
4,8	1,36	0,415	55
5,1	1,42	0,434	53
5,4	1,49	0,453	52
5,7	1,55	0,472	50
6,0	1,61	0,490	49