

Coaxial Cable
GX_07272

苏州启道 — 中国区优势专业供应商
sales@qiidao.com

Description

PE cross-linked - 50 Ohm - single screen



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper	Strand-07	2.25 mm
Dielectric	PEX (Polyethylene cross-linked)		7.25 mm
Outer conductor	Copper, Silver plated	Braid, 95%	8.15 mm
Jacket	RADOX	RAL 9005 - bk	10.3 mm +/- 0.15

Print: HUBER+SUHNER GX 07272 50 Ohm (PA no.)

Electrical Data

Impedance	50 Ω +/- 2
Operating Frequency	2 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	≥ 41 dB (up to 2 GHz)
Max. operating voltage	≤ 5 kV _{rms} (at sea level)
Test voltage	10 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	16.1 kg/100 m
Min. bending radius	50 mm
static	100 mm
repeated (for ≤ 50 bendings)	150 mm
dynamic	

Environmental Data

Temperature range	-40 °C... +105 °C
Installation temperature	-20 °C... +60 °C
Flammability	IEC 60332-1, EN 60332-1-2, IEC 60332-3-25, EN 50266-2-5
Smoke density	EN 61034-2
Halogen test	IEC 60754
2011/65/EU (RoHS)	compliant

Additional Information

Railway certificates discontinued by end of 2017. Replacement type for railway: RADOX_RF_213.

Ordering Information

Order as	GX_07272
----------	----------

Remarks

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

Suitable Connectors

Cable group	U29 7 mm / 50 Ohm
-------------	-------------------

Coaxial Cable
GX_07272

苏州启道 — 中国区优势专业供应商

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

Coefficients:

a = 0.191

b = 0.0698

f_{max} = 2

P at 1GHz = 560

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
0,1	0,07	0,021	1771
0,2	0,1	0,030	1252
0,3	0,13	0,038	1022
0,4	0,15	0,045	885
0,5	0,17	0,052	792
0,6	0,19	0,058	723
0,7	0,21	0,064	669
0,8	0,23	0,069	626
0,9	0,24	0,074	590
1,0	0,26	0,079	560
1,1	0,28	0,084	534
1,2	0,29	0,089	511
1,3	0,31	0,094	491
1,4	0,32	0,099	473
1,5	0,34	0,103	457
1,6	0,35	0,108	443
1,7	0,37	0,112	430
1,8	0,38	0,116	417
1,9	0,4	0,121	406
2,0	0,41	0,125	396