Data Sheet

HUBER+SUHNER

Flexible RF cable
GX_07273 Item: 22510641

Description

GX: RF cables with cross-linked PE dielectrics

RG11 LSFH, 75 Ohm, 1 GHz, 105°C, ø10.3 mm, RADOX® jacket, Flame retardant



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper	Strand-07	1.2 mm
Dielectric	PEX (Polyethylene cross-linked)		7.25 mm
Outer conductor	Copper, Silver plated	Braid, 95%	8.1 mm
Jacket	RADOX	RAL 9005 - bk	10.3 mm +/- 0.15

Print: HUBER+SUHNER GX 07273 75 OHM (production order number)

Electrical Data

Impedance		75 Ω +/- 3
Operating Frequency		1 GHz
Capacitance		67 pF/m
Velocity of signal propagation		66 %
Signal delay		5 ns/m
Operating voltage		≤ 5 kV_{rms} (at sea level)
Test voltage		10 kV_{rms} (50 Hz/1 min)

Mechanical Data

Weight		14.9 kg/100 m
Min. bending radius	static	55 mm
		100 mm
	dynamic	200 mm

Environmental Data

Temperature range	-40 °C ... +105 °C
Installation temperature	-20 °C... +60 °C
Flame propagation test	IEC 60332-1,
Halogen test	IEC 60754
Halogen free	Yes
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
1907/2006/EC (REACH)	compliant
2012/19/EU (WEEE)	no special marking needed

Additional Information

Remarks

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

Suitable Connectors

Cable group	U34 7 mm / 75 Ohm

Data Sheet

HUBER+SUHNER

Flexible RF cable
GX_07273 Item: 22510641

Matrix typical Attenuation [formula: (a*f^0.5 + b*f)] and maximum Power CW [formula: (p/f^0.5)]
Coefficients:

a =	0.2066	b =	0.0344	f_{max} =	1	P at 1GHz =	360

Frequency	Nom. attenuation	Nom. attenuation	Max. CW power
(GHz)	(dB / m)	(dB / ft)	(W)
	sea level 25° C ambient temperature	sea level 25° C ambient temperature	sea level 40° C ambient temperature
0,05	0,05	0,015	1610
0,1	0,07	0,021	1138
0,15	0,09	0,026	930
0,2	0,1	0,030	805
0,25	0,11	0,034	720
0,3	0,12	0,038	657
0,35	0,13	0,041	609
0,4	0,14	0,044	569
0,45	0,15	0,047	537
0,5	0,16	0,050	509
0,55	0,17	0,052	485
0,6	0,18	0,055	465
0,65	0,19	0,058	447
0,7	0,2	0,060	430
0,75	0,2	0,062	416
0,8	0,21	0,065	402
0,85	0,22	0,067	390
0,9	0,23	0,069	379
0,95	0,23	0,071	369
1,0	0,24	0,073	360

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.