Data Sheet



Flexible low noise cable G_03160_HG

Description

G: RF cables with PE dielectrics

Low-noise coax, 75 Ohm, 1 GHz, 85°C, ø5 mm, LSFH jacket



75 Ω

1 GHz

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper	Wire	0.5 mm
Dielectric	PE (Polyethylene)		3 mm
Semi conductor	PE (Polyethylene)		3.4 mm
Outer conductor	Copper	Braid, 91 %	4 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	5 mm +/- 0.1

Print: HUBER+SUHNER G 03160 HG 75 Ohm (production order number)

Electrical Data

Impedance
Max. operating Frequency
Capacitance
Velocity of signal propagation

Capacitance 70 pF/m

Velocity of signal propagation 66 %

Signal delay 5 ns/m

Insulation resistance ≥ 1 x 10⁸ MΩm

Max. operating voltage 2.5 kV_{rms} (at sea level)

Test voltage 5 kV_{rms} (50 Hz/1 min)

Max. noise level 20 mV

Mechanical Data

 Weight
 3.6 kg/100 m

 Bending Radius
 static
 25 mm

 repeated (for max. 50 50 bendings)
 50 mm

Environmental Data

Temperature range -40 °C... +85 °C 2011/65/EU (RoHS - including 2015/863 and 2017/2102) compliant

Additional Information

Ordering Information

Order as G_03160_HG

Remarks

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

Cable group U13 3 mm / 75 Ohm

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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