

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

G_03160_HG

Properties

- Alternative to standard RG cables
- Low noise
- Coax construction
- 75 Ohm characteristic Impedance



Construction			
Component	Material	Detail	Diameter
Inner 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 mm

Electrical data	
Impedance	75 Ω
Operating frequency	≤ 1 GHz
Capacitance	70 pF/m
Velocity of signal propagation	66 %
Signal delay	5 ns/m
Insulation resistance	< 100000000 MΩ*m
Inner conductor resistance	90 Ω/km
Operating Voltage (at sea level)	≤ 2.5 kVrms
Test voltage (50 Hz/1 min)	≤ 5 kVrms
Noise level	≤ 20 mV

Mechanical data	
Weight	approx. 3.6 g/m
Static bending radius	25 mm
Repeated bending radius	50 mm (bendings, up to 50)

Environmental data	
Operation temperature	-40 °C ... 85 °C
Fire characteristics	free of halogenes

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Suitable connectors		
Cable group		U13
Ordering information		
Item number	Item description	Available as assembly only
22511891	G_03160_HG	No

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