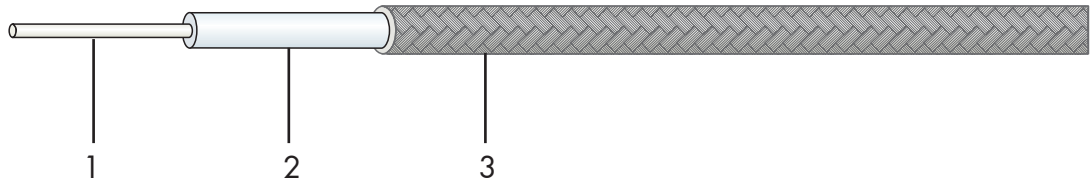


SUCOFORM[®] SM 250

Order code 22512136

Cable design



	Description	Material	Diameter
1. Centre conductor	Solid silver-plated copper wire	CuAg	1.64 mm
2. Dielectric	Solid PTFE	PTFE	5.27 mm
3. Outer conductor	Tin soaked copper braid	CuSn	6.05 mm
Marking	SUHNER SUCOFORM 250 (Batch no.)		

Electrical cable data

Impedance			50 Ohm
Operating frequency			18 GHz
Capacitance			95 pF/m
Velocity of Propagation			71 %
Time Delay			4.7 ns/m
Nom. attenuation*	coefficient a	0.2100	coefficient b 0.0310
Max. attenuation*	coefficient a	0.2310	coefficient b 0.0340
Max. operating voltage			4.0 kVrms
Min. screening effectiveness up to 18 GHz			100 dB

*Attenuation calculation

$$a_{25} = a \cdot \sqrt{f}(\text{GHz}) + b \cdot f(\text{GHz}) \quad (\text{dB/m})$$

General cable data

Temperature range	-65...+165 °C
Weight	11.4 kg/100m
Min. bending radius static	30 mm
Min. bending radius repeated	120 mm

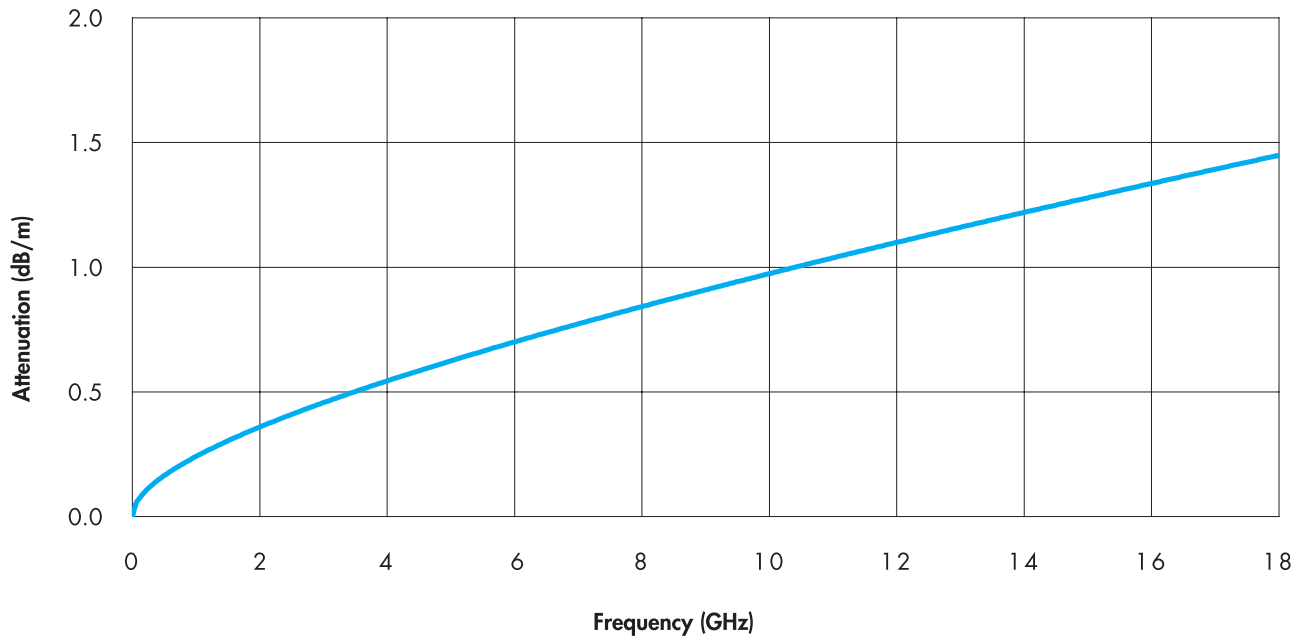
Suitable connectors

Cable group (please refer to pages 63 ff)	Y13
---	-----

SUCOFORM[®] SM 250

Cable attenuation

Nominal values @ +25 °C ambient temperature



SUCOFORM

Power handling

Maximum values @ +40 °C ambient temperature and sea level

