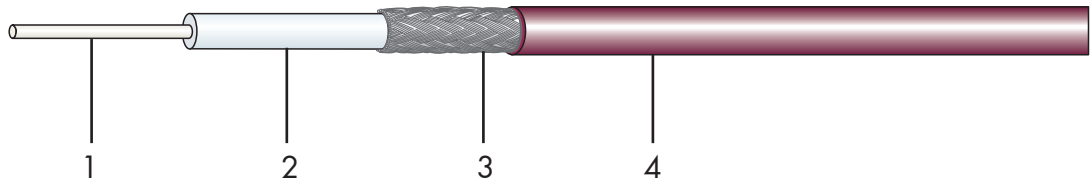


# SUCOFORM<sup>®</sup> SM 141 PE

Order code 22511632

## Cable design



	Description	Material	Diameter
1. Centre conductor	Solid silver-plated copper clad-steel wire	StCuAg	0.95 mm
2. Dielectric	Solid PTFE	PTFE	2.95 mm
3. Outer conductor	Tin soaked copper braid	CuSn	3.58 mm
4. Jacket	Polyethylene, red	PE	4.60 mm
Marking	SUHNER SUCOFORM 141 PE (Batch no.)		

## Electrical cable data

Impedance			50 Ohm
Operating frequency			18 GHz
Capacitance			94 pF/m
Velocity of propagation			71 %
Time delay			4.7 ns/m
Nom. attenuation*	coefficient a	<b>0.3631</b>	coefficient b <b>0.0377</b>
Max. attenuation*	coefficient a	<b>0.3995</b>	coefficient b <b>0.0415</b>
Max. operating voltage			1.9 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	-40...+85 °C
Weight	4.7 kg/100m
Min. bending radius static	15 mm
Min. bending radius dynamic	50 mm

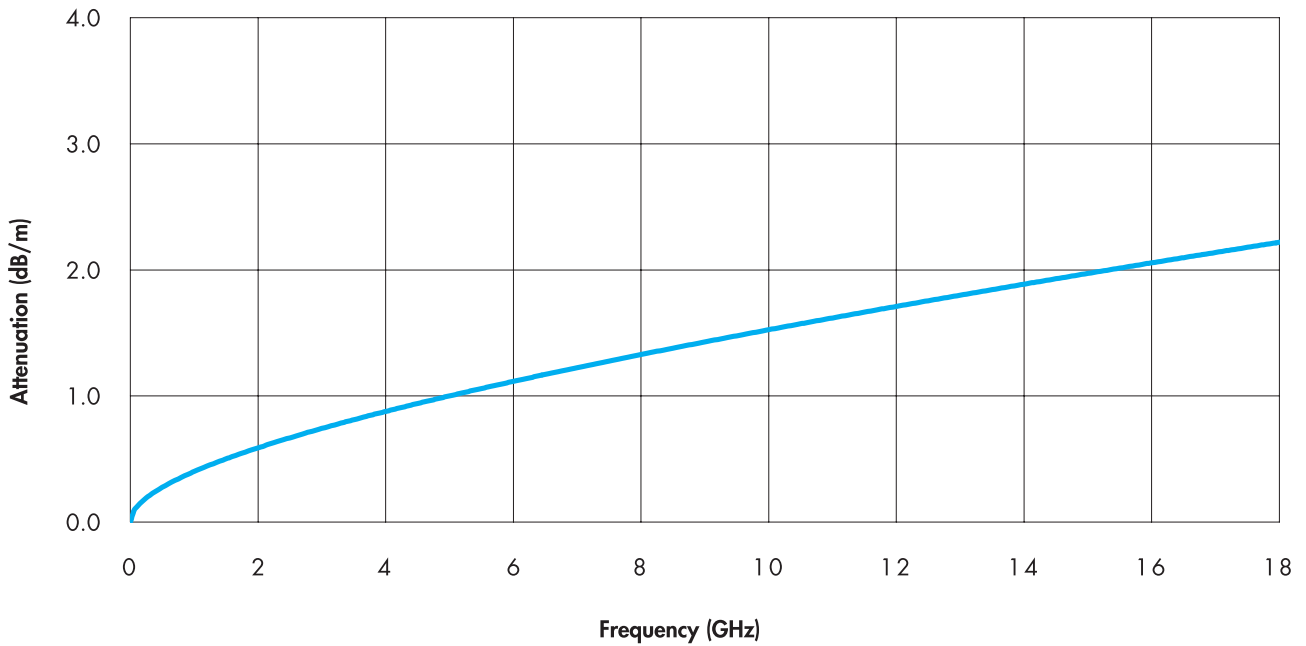
## Suitable connectors

Cable group (please refer to pages 63 ff)	Y12
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# SUCOFORM<sup>®</sup> SM 141 PE

## Cable attenuation

Nominal values @ +25 °C ambient temperature



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## Power handling

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

