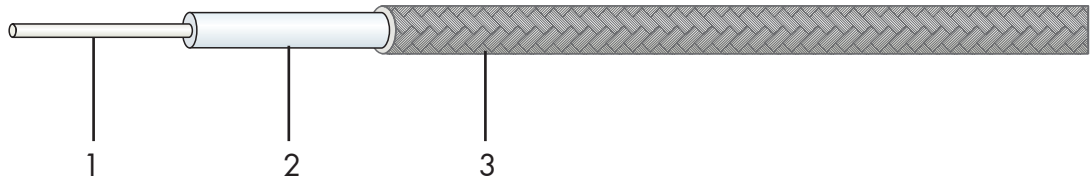


SUCOFORM® SM 141

Order code 22511925

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
Marking	SUHNER SUCOFORM 141 (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	0.3631	coefficient b 0.0377
Max. attenuation*	coefficient a	0.3995	coefficient b 0.0415
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	-65...+165 °C
Weight	3.8 kg/100m
Min. bending radius static	8 mm
Min. bending radius repeated	40 mm

Suitable connectors

Cable group (please refer to pages 63 ff)	Y12
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