

# SUCOFORM

## The handformable alternative to SEMI-RIGID

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# SUCOFORM

## The handformable alternative to SEMI-RIGID

### Product description

SUCOFORM microwave coaxial cables offer distinct mechanical advantages over semi-rigid cables. They are based on the same design as the standard PTFE-insulated semi-rigid cables, but have a tin-soaked copper braid for the outer conductor, giving them outstanding hand-formability. These cables combine the excellent characteristics of semi-rigid cables with those of flexible coaxial cables.

Thanks to their small bending radii, they allow space-saving routing and packaging.



SUCOFORM

### Features and benefits

- Excellent properties: low loss, high screening effectiveness, high operating frequency, high temperature range
- Due to the high phase stability over every production run, SUCOFORM is especially suitable for delay lines
- Good flexibility: easy hand forming without tooling; fits into the smallest systems
- Comprehensive connector range; use of standard semi-rigid connectors
- Quick and easy assembly
- Available in long lengths and various versions

HUBER+SUHNER cable type	Operating frequency (GHz)	Temperature range		Outer dia. (mm)	Nominal attenuation 18 GHz, 25 °C (dB/m)	Bending radii		More information see page
		minimum (°C)	maximum (°C)			static (mm)	repeat. (mm)	
SUCOFORM_47_CU	40	-65	+165	1.20	5.4	3.18	-	46
SUCOFORM_86	40	-65	+165	2.10	3.4	6	20	48
SUCOFORM_141	33	-65	+165	3.58	2.2	8	40	50
SUCOFORM_141_CU	33	-65	+165	3.58	2.2	8	40	52
SUCOFORM_250-01	18	-65	+165	6.35	1.4	30	120	56

# SUCOFORM\_47\_CU / \_47\_CU\_LSFH

## Cable design

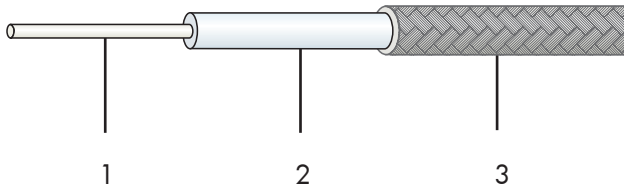


Fig. 1: SUCOFORM\_47\_CU

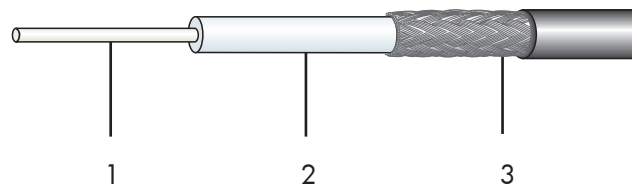


Fig. 2: SUCOFORM\_47\_CU\_LSFH

	Description	Diameter
1. Centre conductor	Solid silver-plated copper wire	0.31 mm
2. Dielectric	Solid PTFE	0.94 mm
3. Outer conductor	Tin soaked copper braid	1.20 mm

## Electrical cable data

Impedance	50 Ohm	
Operating frequency	40 GHz	
Capacitance	95 pF/m	
Velocity of propagation	71 %	
Time delay	4.7 ns/m	
Nom. attenuation*	coefficient a <b>1.117</b>	coefficient b <b>0.03891</b>
Max. attenuation*	coefficient a <b>1.2287</b>	coefficient b <b>0.0438</b>
Max. operating voltage	1.0 kVrms	
Min. screening effectiveness up to 18 GHz	100 dB	

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

## General cable data

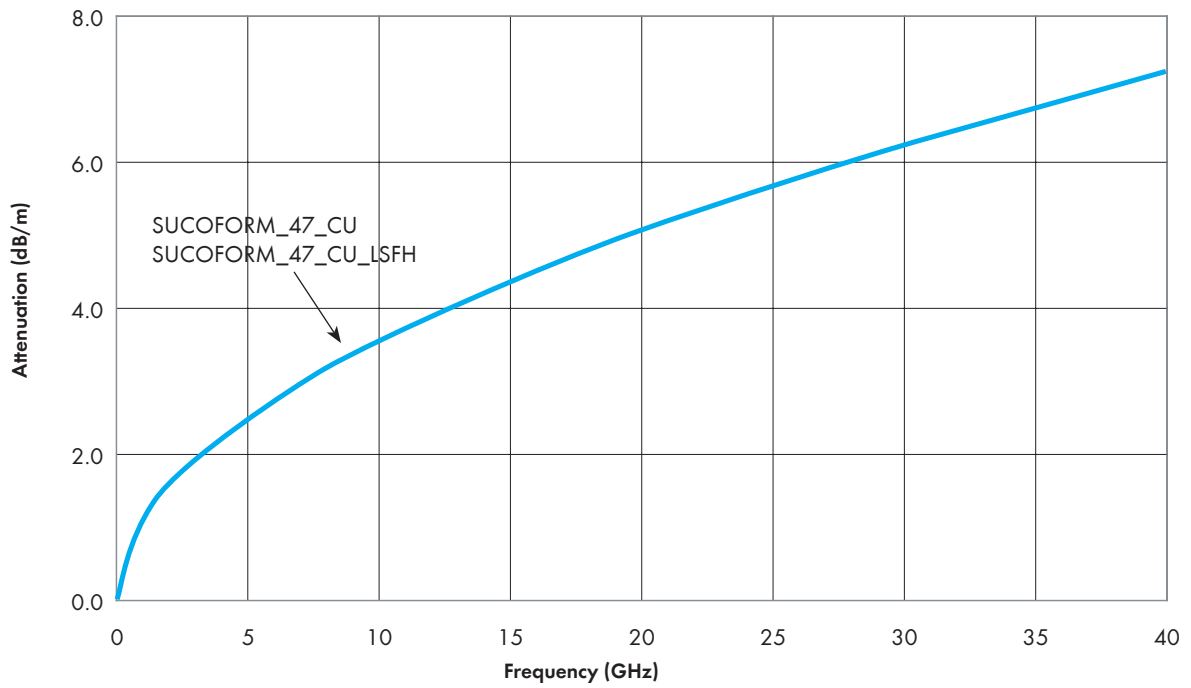
	SUCOFORM_47_CU	SUCOFORM_47_CU_LSFH
Item number	23033515	23035506
Additional jacket	–	LSFH (Low Smoke, Free of Halogen)
Colour	–	black
Diameter	1.20 mm	1.70 mm
Weight	0.6 kg/100 m	0.75 kg/100 m
Temperature range	- 65 ... + 165 °C	- 40 ... + 85 °C
Flammability, passed	–	–
Min. bending radius, static	3.18 mm	3.18 mm
Min. bending radius, repeated	–	–
Suitable connectors, cable group	Y2	Y2
Drawing	see Fig. 1	see Fig. 2

Suitable connectors see cable group Y2 (please refer to page 59)

# SUCOFORM\_47\_CU / \_47\_CU\_LSFH

## Cable attenuation

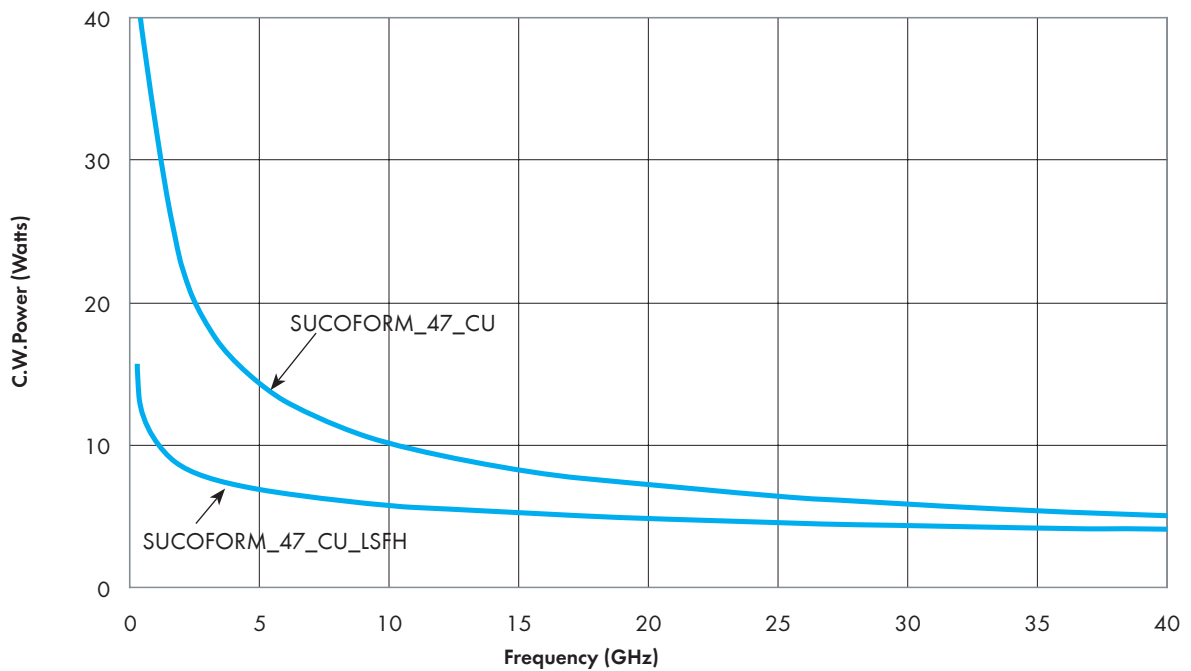
Nominal values @ +25 °C ambient temperature



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## Power handling

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



# SUCOFORM\_86 / \_86\_PE / \_86\_FEP

## Cable design

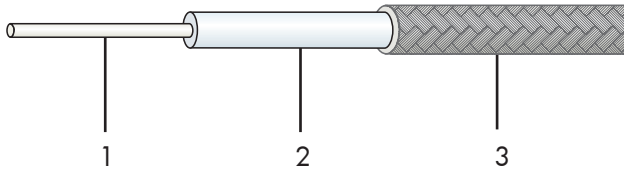


Fig. 1: SUCOFORM\_86

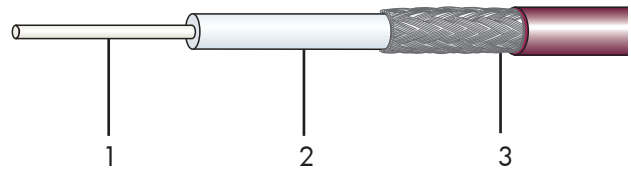


Fig. 2: SUCOFORM\_86\_PE / \_86\_FEP

	Description	Diameter
1. Centre conductor	Solid silver-plated copper clad-steel wire	0.53 mm
2. Dielectric	Solid PTFE	1.65 mm
3. Outer conductor	Tin soaked copper braid	2.10 mm

## Electrical cable data

Impedance			50 Ohm
Operating frequency			40 GHz
Capacitance			95 pF/m
Velocity of propagation			71 %
Time delay			4.7 ns/m
Nom. attenuation*	coefficient a	<b>0.6283</b>	coefficient b <b>0.0400</b>
Max. attenuation*	coefficient a	<b>0.6912</b>	coefficient b <b>0.0440</b>
Max. operating voltage			1.5 kVrms
Min. screening effectiveness up to 18 GHz			100 dB

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

## General cable data

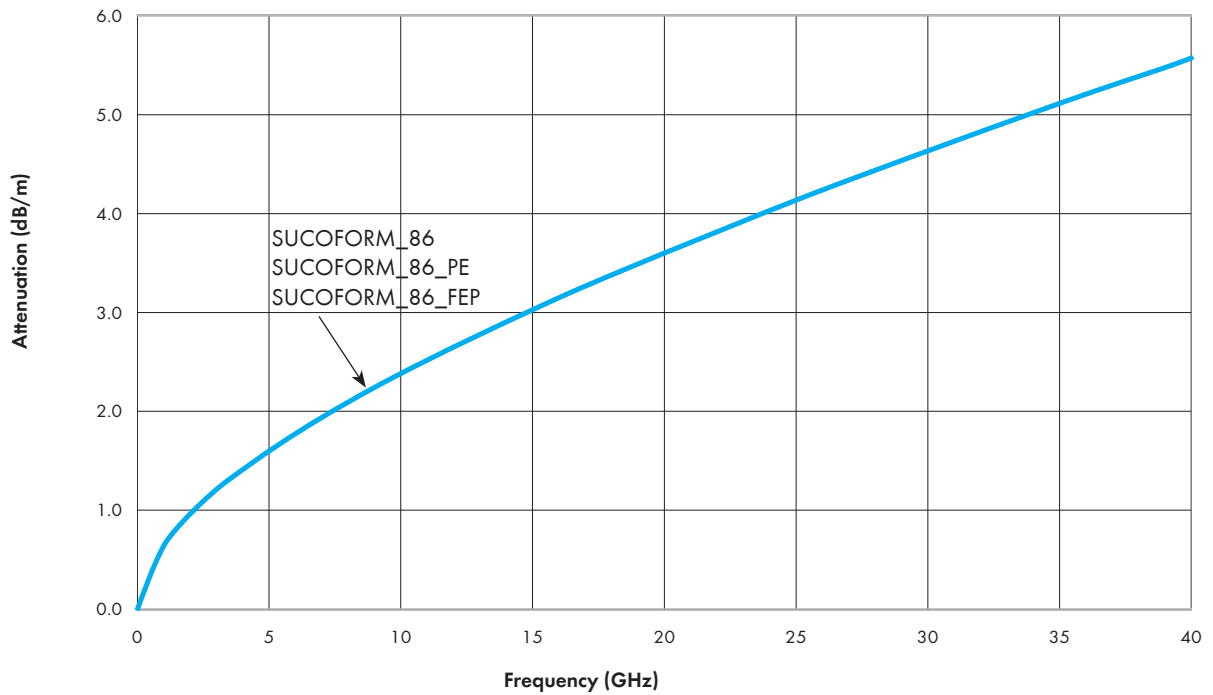
	SUCOFORM_86	SUCOFORM_86_PE	SUCOFORM_86_FEP
Item number	22511613	22511631	22511942
Additional jacket	–	PE	FEP
Colour	–	red	red
Diameter	2.10 mm	3.20 mm	2.50 mm
Weight	1.5 kg/100 m	1.7 kg/100 m	1.8 kg/100 m
Temperature range	– 65 ... + 165 °C	– 40 ... + 85 °C	– 65 ... + 165 °C
Flammability, passed	IEC 60332-1, UL 1581-§1080 (VW-1)	–	IEC 60332-1, UL 1581-§1080 (VW-1)
Min. bending radius, static	6 mm	6 mm	6 mm
Min. bending radius, repeated	20 mm	20 mm	20 mm
Suitable connectors, cable group	Y11	Y11	Y11
Drawing	see Fig. 1	see Fig. 2	see Fig. 2

Suitable connectors see cable group Y11 (please refer to page 59 ff)

# SUCOFORM\_86 / \_86\_PE / \_86\_FEP

## Cable attenuation

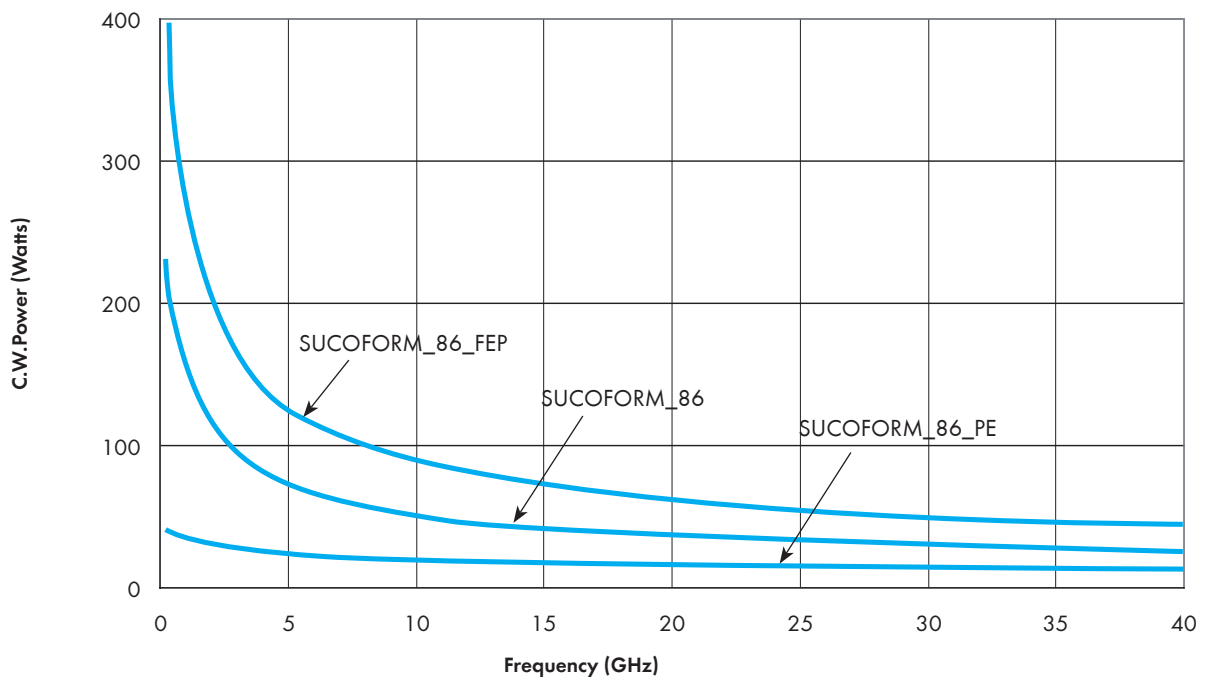
Nominal values @ +25 °C ambient temperature



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## Power handling

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



# SUCOFORM\_141 / \_141\_PE / 141\_FEP

## Cable design

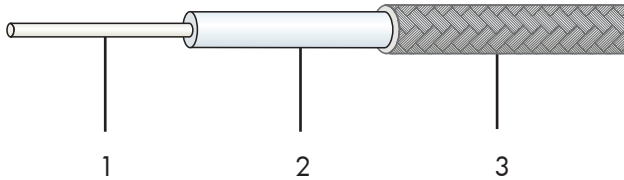


Fig. 1: SUCOFORM\_141

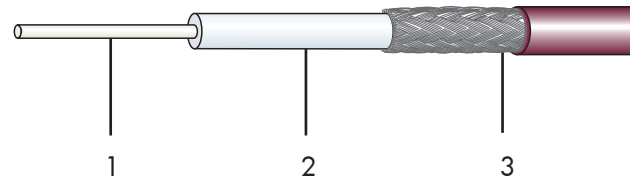


Fig. 2: SUCOFORM\_141\_PE / \_141\_FEP

	Description	Diameter
1. Centre conductor	Solid silver-plated copper clad-steel wire	0.95 mm
2. Dielectric	Solid PTFE	2.95 mm
3. Outer conductor	Tin soaked copper braid	3.58 mm

## Electrical cable data

Impedance	50 Ohm	
Operating frequency	33 GHz	
Capacitance	92 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

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

## General cable data

	SUCOFORM_141	SUCOFORM_141_PE	SUCOFORM_141_FEP
Item number	22511925	22511632	22511944
Additional jacket	–	PE	FEP
Colour	–	red	red
Diameter	3.58 mm	4.60 mm	4.10 mm
Weight	3.8 kg/100 m	4.7 kg/100 m	4.7 kg/100 m
Temperature range	– 65 ... + 165 °C	– 40 ... + 85 °C	– 65 ... + 165 °C
Flammability, passed	IEC 60332-1, UL 1581-§1080 (VW-1)	–	IEC 60332-1, UL 1581-§1080 (VW-1)
Min. bending radius, static	8 mm	8 mm	8 mm
Min. bending radius, repeated	40 mm	40 mm	40 mm
Suitable connectors, cable group	Y12	Y12	Y12
Drawing	see Fig. 1	see Fig. 2	see Fig. 2

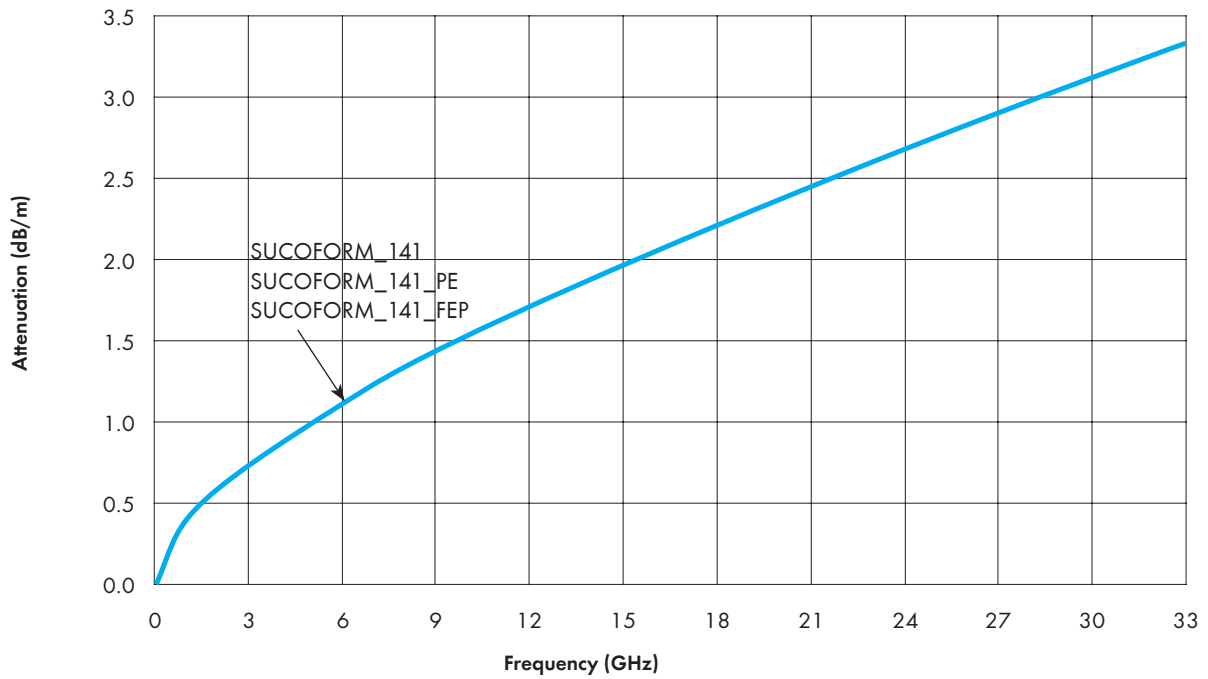
Suitable connectors see cable group Y12 (please refer to page 61 ff)



# SUCOFORM\_141 / \_141\_PE / \_141\_FEP

## Cable attenuation

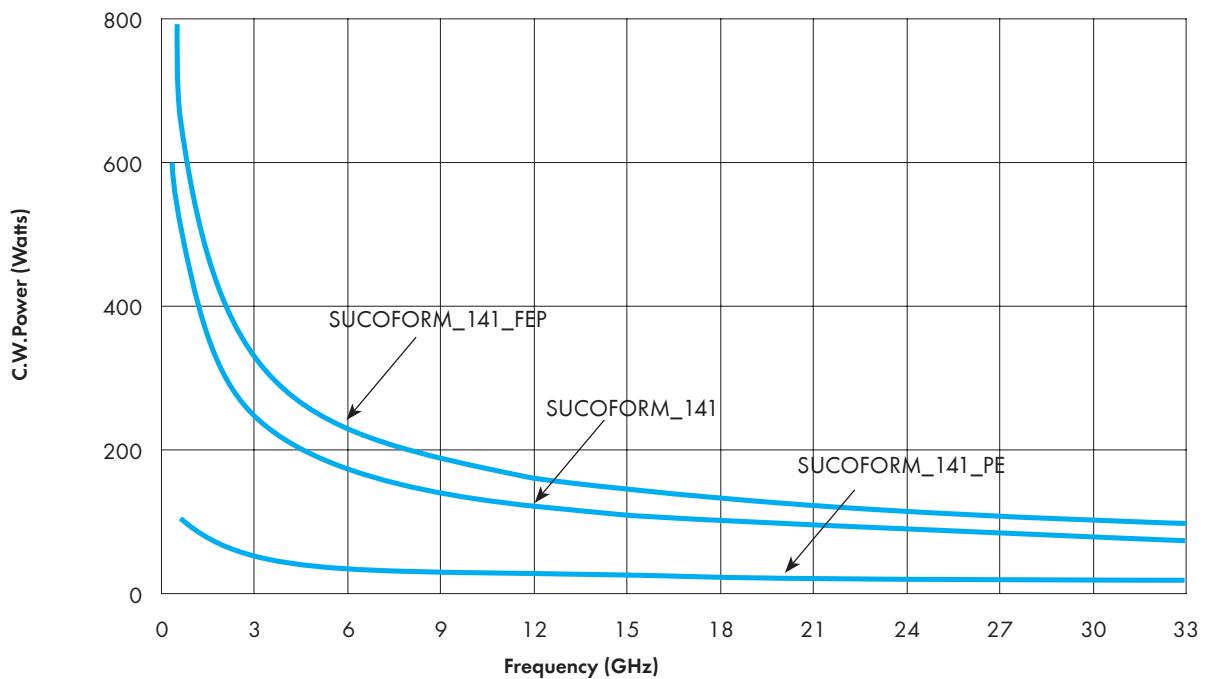
Nominal values @ +25 °C ambient temperature



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## Power Handling

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



# SUCOFORM\_141\_CU / \_141\_CU\_PE

## Cable design

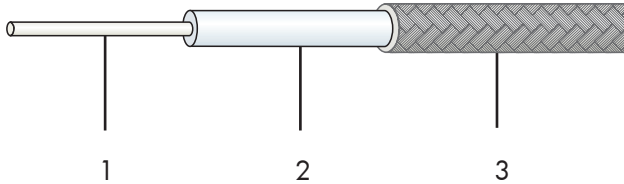


Fig. 1: SUCOFORM\_141\_CU

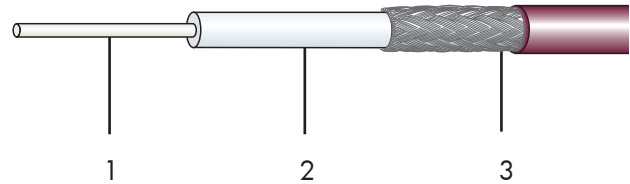


Fig. 2: SUCOFORM\_141\_CU\_PE

	Description	Diameter
1. Centre conductor	Solid silver-plated copper wire	0.95 mm
2. Dielectric	Solid PTFE	2.95 mm
3. Outer conductor	Tin soaked copper braid	3.58 mm

## Electrical cable data

Impedance	50 Ohm	
Operating frequency	33 GHz	
Capacitance	92 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

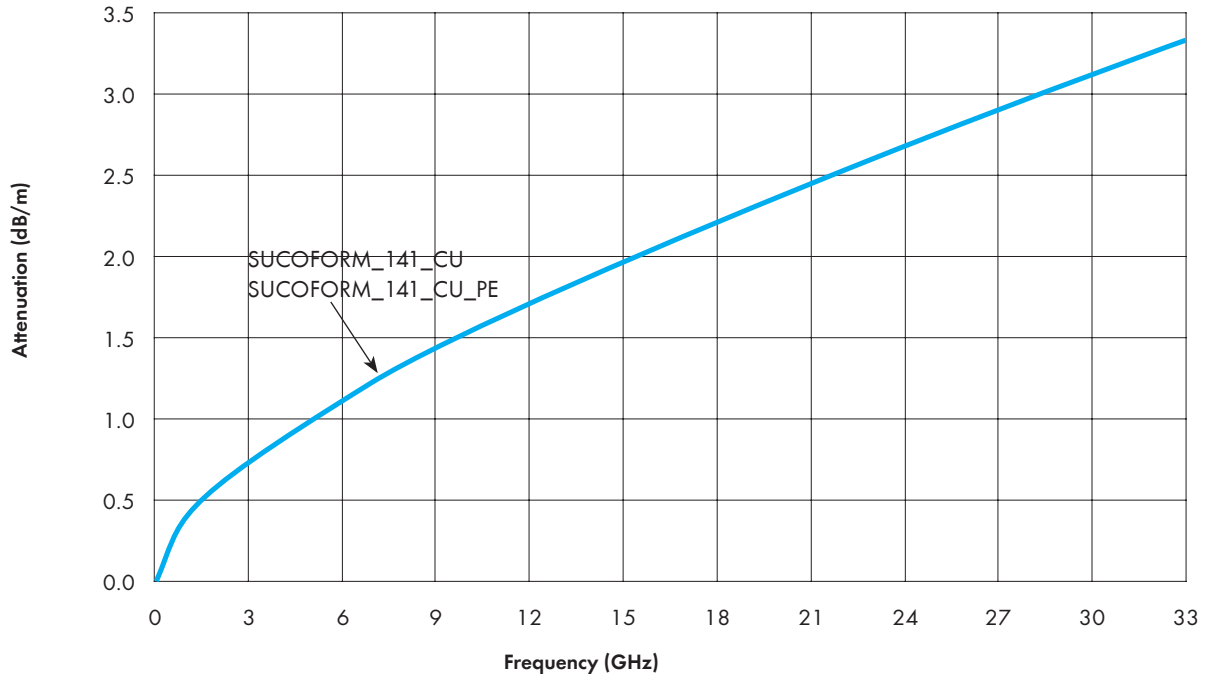
	SUCOFORM_141_CU	SUCOFORM_141_CU_PE
Item number	22511635	22511639
Additional jacket	–	PE
Colour	–	red
Diameter	3.58 mm	4.60 mm
Weight	4.0 kg/100m	4.7 kg/100m
Temperature range	- 65 ... + 165 °C	- 40 ... + 85 °C
Flammability, passed	IEC 60332-1, UL 1581-§1080 (VW-1)	–
Min. bending radius, static	8 mm	8 mm
Min. bending radius, repeated	40 mm	40 mm
Suitable connectors, cable group	Y12	Y12
Drawing	see Fig. 1	see Fig. 2

Suitable connectors see cable group Y12 (please refer to page 61 ff)

# SUCOFORM\_141\_CU / \_141\_CU\_PE

## Cable attenuation

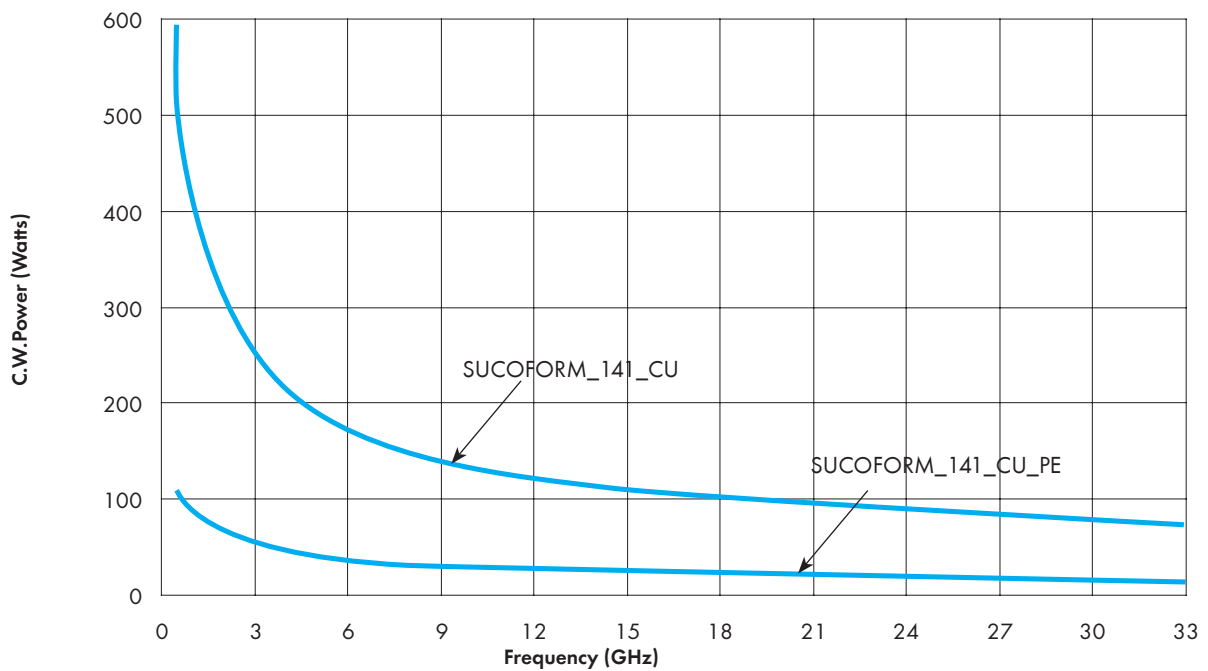
Nominal values @ +25 °C ambient temperature



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## Power Handling

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



# SUCOFORM\_141\_CU\_FEP / \_141\_CU\_LSFH-01

## Cable design

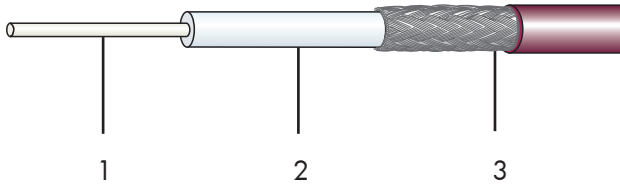


Fig. 2: SUCOFORM\_141\_CU\_FEP

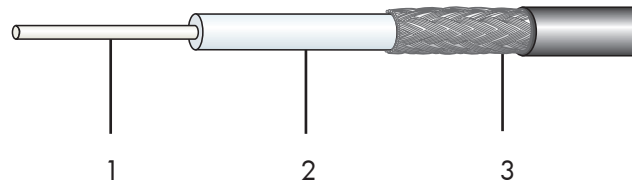


Fig. 2: SUCOFORM\_141\_CU\_LSFH-01

	Description	Diameter
1. Centre conductor	Solid silver-plated copper wire	0.95 mm
2. Dielectric	Solid PTFE	2.95 mm
3. Outer conductor	Tin soaked copper braid	3.58 mm

## Electrical cable data

Impedance	50 Ohm	
Operating frequency	33 GHz	
Capacitance	92 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  $a_{25} = a \cdot \sqrt{f}(\text{GHz}) + b \cdot f(\text{GHz})$  (dB/m)

## General cable data

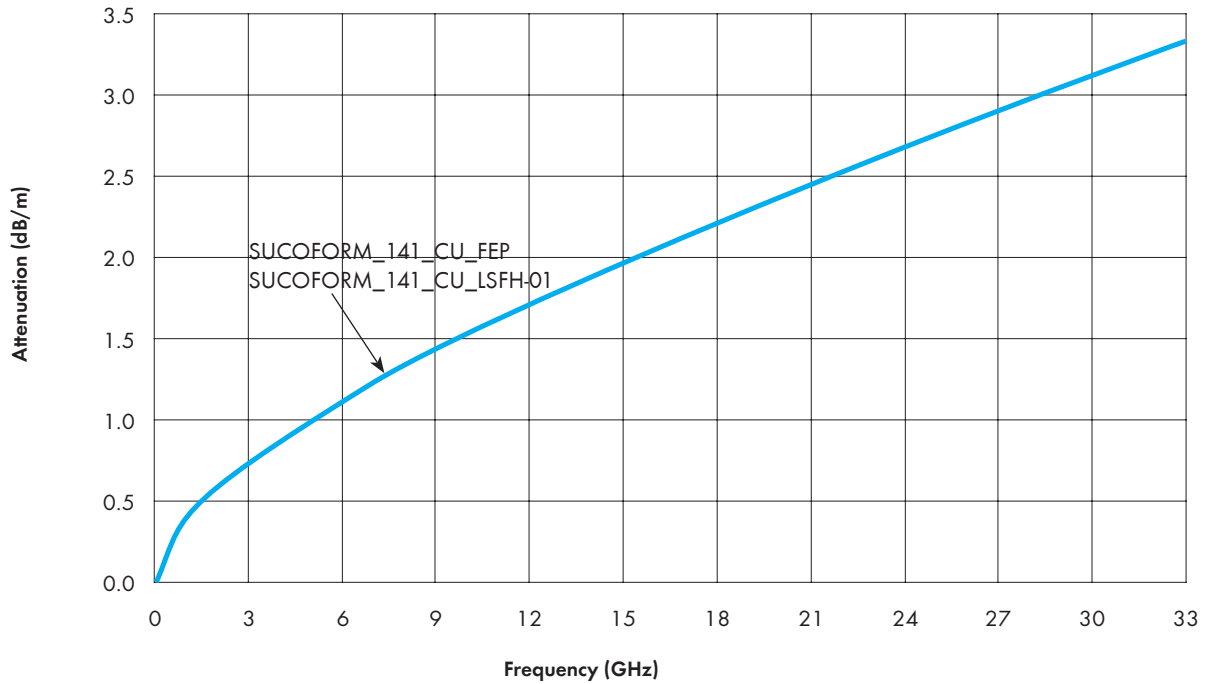
	SUCOFORM_141_CU_FEP	SUCOFORM_141_CU_LSFH-01
Item number	22512256	84003502
Additional jacket	FEP	LSFH (Low Smoke, Free of Halogen)
Colour	red	orange
Diameter	4.10 mm	4.60 mm
Weight	4.7 kg/100m	5.5 kg/100m
Temperature range	- 65 ... + 165 °C	- 40 ... + 85 °C
Flammability, passed	IEC 60332-1, UL 1581-§1080 (VW-1)	IEC 60332-2 UL 1581-§ 1100
Min. bending radius, static	8 mm	8 mm
Min. bending radius, repeated	40 mm	40 mm
Suitable connectors, cable group	Y12	Y12
Drawing	see Fig. 1	see Fig. 2

Suitable connectors see cable group Y12 (please refer to page 61 ff)

# SUCOFORM\_141\_CU\_FEP / \_141\_CU\_LSFH-01

## Cable attenuation

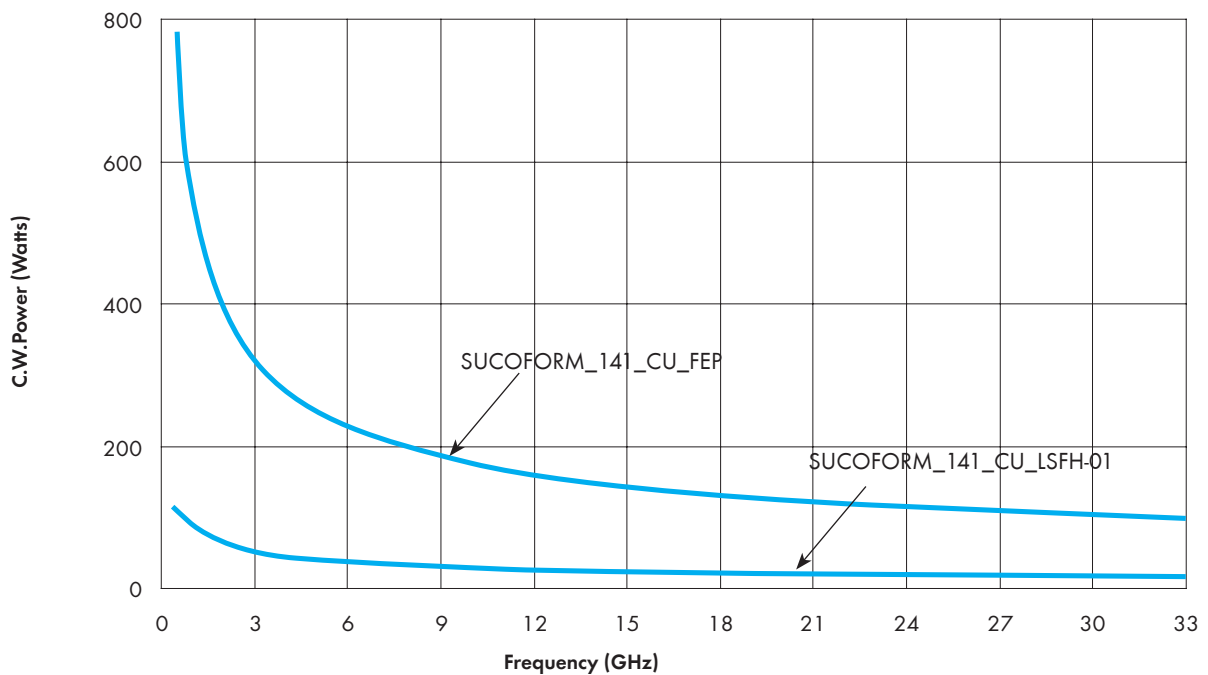
Nominal values @ +25 °C ambient temperature



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## Power Handling

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



# SUCOFORM\_250-01 / \_250-01\_FEP

## Cable design

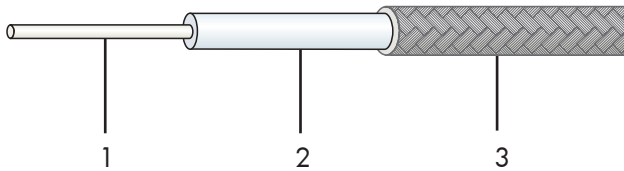


Fig. 1: SUCOFORM\_250-01

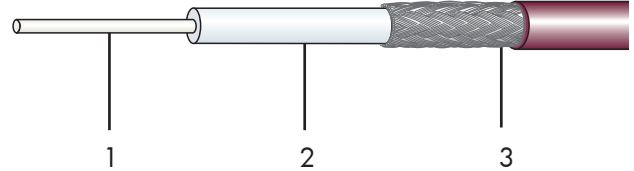


Fig. 2: SUCOFORM\_250-01\_FEP

	Description	Diameter
1. Centre conductor	Solid silver-plated copper wire	1.67 mm
2. Dielectric	Solid PTFE	5.24 mm
3. Outer conductor	Tin soaked copper braid	6.35 mm

## 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 <b>0.2100</b>	coefficient b <b>0.0310</b>
Max. attenuation*	coefficient a <b>0.2310</b>	coefficient b <b>0.0340</b>
Max. operating voltage	3.5 kVrms	
Min. screening effectiveness up to 18 GHz	100 dB	

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

## General cable data

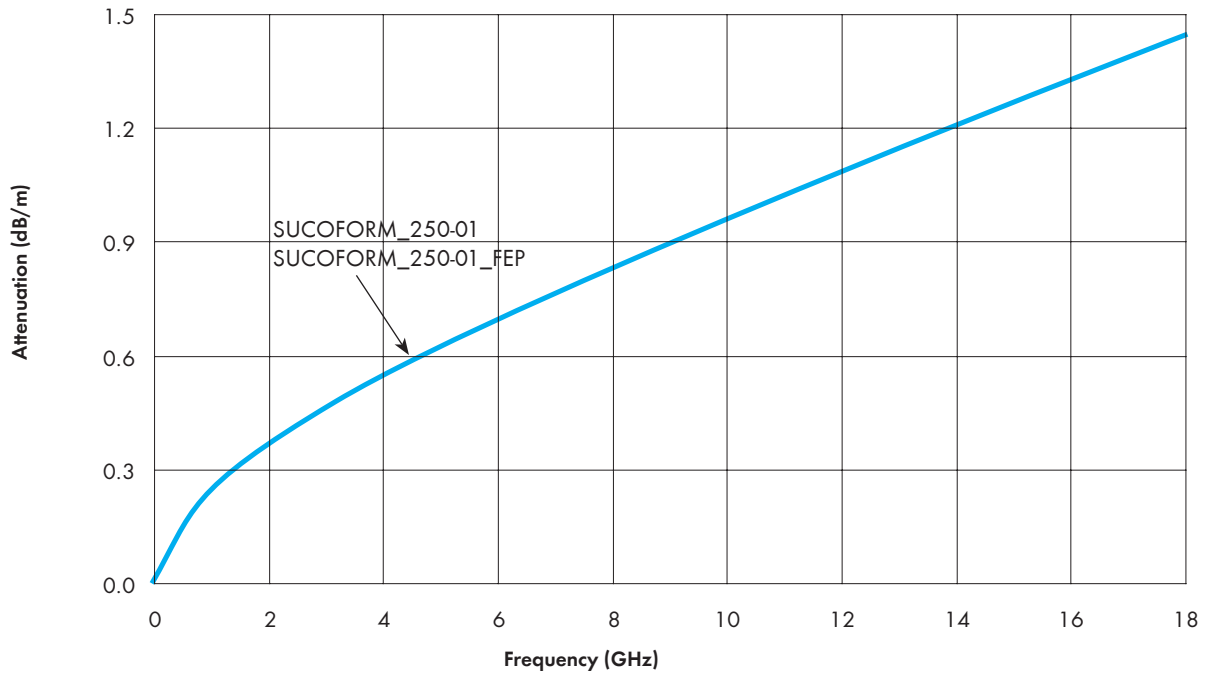
	SUCOFORM_250-01	SUCOFORM_250-01_FEP
Item number	84007938	84007941
Additional jacket	–	FEP
Colour	–	red
Diameter	6.35 mm	6.80 mm
Weight	13 kg/100 m	14 kg/100 m
Temperature range	– 65 ... + 165 °C	– 65 ... + 165 °C
Flammability, passed	IEC 60332-1, UL 1581-§1080 (VW-1)	IEC 60332-1, UL 1581-§1080 (VW-1)
Min. bending radius, static	30 mm	30 mm
Min. bending radius, repeated	120 mm	120 mm
Suitable connectors, cable group	Y7	Y7
Drawing	see Fig. 1	see Fig. 2

Suitable connectors see cable group Y7 (please refer to page 62)

# SUCOFORM 250-01 / \_250-01\_FEP

## Cable attenuation

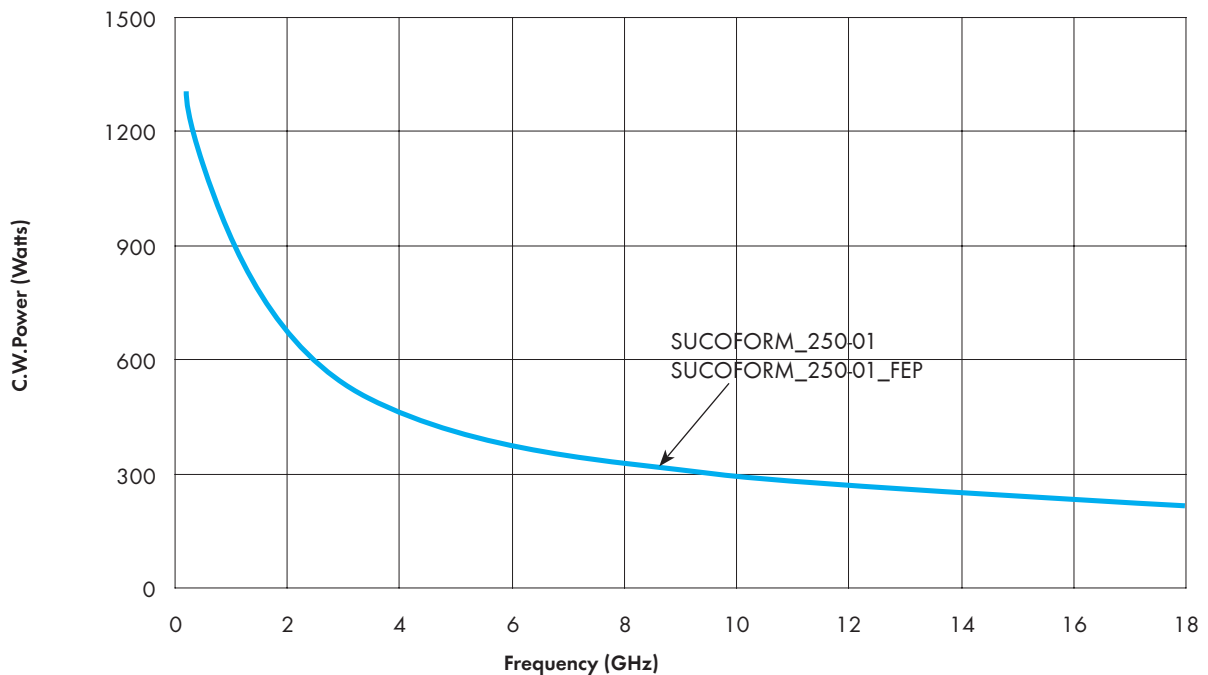
Nominal values @ +25 °C ambient temperature



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## Power handling

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



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## Further available SUCOFORM products

### 75 Ohm

HUBER+SUHNER cable type	Item no.	Centre conductor	Outer conductor	Jacket material	Outer diameter (mm)	Nom. attenuation dB/m @ 1 GHz
SUCOFORM_86_75	22511720	StCuAg	CuSn	n/a	2.10	0.8
SUCOFORM_86_75_FEP	22511970	StCuAg	CuSn	FEP	2.50	0.8
SUCOFORM_141_75	22511721	StCuAg	CuSn	n/a	3.58	0.5
SUCOFORM_141_75_FEP	22512290	StCuAg	CuSn	FEP	4.10	0.5

### Other impedances

HUBER+SUHNER cable type	Item no.	Impedance (Ohm)	Centre conductor	Outer conductor	Jacket material	Outer diameter (mm)	Nom. attenuation dB/m @ 1 GHz
SUCOFORM_141_35	22512104	35	CuAg	CuSn	n/a	3.58	0.5
SUCOFORM_141_35 FEP	22512291	35	CuAg	CuSn	FEP	4.10	0.5
SUCOFORM_141_60	22512161	60	StCuAg	CuSn	n/a	3.58	0.4
SUCOFORM_141_60 FEP	22512288	60	StCuAg	CuSn	FEP	4.10	0.4
SUCOFORM_141_100	22512081	100	StCuAg	CuSn	n/a	3.58	0.6
SUCOFORM_141_100 FEP	22512289	100	StCuAg	CuSn	FEP	4.10	0.6

*CuAg Silver plated copper*  
*StCuAG Silver plated copper clad steel*  
*CuSn Tin soaked copper braid*  
*PE Polyethylene*

*PTFE Polytetrafluethylene*  
*LSFH Low Smoke Free of Halogen polyethylene*  
*FEP Fluoroethylenepropylene copolymer*



# SUCOFORM

A wide range of standard connectors is available for SUCOFORM microwave cables. In addition, HUBER+SUHNER offers a fast delivery service for RF tested ready-to-use cable assemblies.

## Suitable connectors

HUBER+SUHNER cable type	Series, pattern	HUBER+SUHNER connector type	Item no.	Operating frequency (GHz)
SUCOFORM_47_CU Cable group Y2	<b>MCX</b>			
	Straight cable plug	11_MCX-50-1-14/111_NE	23032081	6
	Right angle cable plug	16_MCX-50-1-12/111_NE	23024694	6
	Right angle cable plug	16_MCX-50-1-11/111_NH	23032063	6
	<b>MMCX</b>			
	Straight cable plug	11_MMCX-50-1-3/111_OE	22648893	6
	Right angle cable plug	16_MMCX-50-1-4/111_OH	23003641	6
	Right angle cable plug	16_MMCX-50-1-4/111_OE	22649182	6
	<b>SK</b>			
	Straight cable plug	11_SK-50-1-2/119_NE	84013232	40
	<b>SMA</b>			
	Straight cable plug	11_SMA-50-1-53/119_NH	23013327	18
Straight cable jack	16_SMA-50-1-97/19_NE	23024708	18	
Straight cable jack	21_SMA-50-1-2/111_NE	22642386	18	
SUCOFORM_86 Cable group Y11				
	<b>MCX</b>			
	Straight cable plug	11_MCX-50-2-19/111_NE	23024699	6
	Straight cable plug	11_MCX-50-2-19/111_NH	23032147	6
	Right angle cable plug	16_MCX-50-2-104/111_NH-1	23032067	6
	Right angle cable plug	16_MCX-50-2-104/111_NH	22658277	6
	Straight panel bulkhead cable jack	24_MCX-50-2-3/111_NE	22543580	6
	<b>MMBX</b>			
	Straight cable plug	11_MMBX-50-2-4/111_NH	23033280	12.4
Right angle cable plug	16_MMBX-50-2-4/111_NH	23033281	12.4	
Straight panel bulkhead cable jack	24_MMBX-50-2-2/111_NH	23037876	12.4	

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## Suitable connectors

HUBER+SUHNER cable type	Series, pattern	HUBER+SUHNER connector type	Item no.	Operating frequency (GHz)
SUCOFORM_86 Cable group Y11	<b>MMCX</b>			
	Straight cable plug	11_MMCX-50-2-1/111_OH	22649039	6
	Straight cable plug	11_MMCX-50-2-1/111_OE	22645297	6
	Right angle cable plug	16_MMCX-50-2-1/111_OH	22649044	6
	Right angle cable plug	16_MMCX-50-2-1/111_OE	22645957	6
	Straight cable jack	21_MMCX-50-2-1/111_OE	22645290	6
	Straight panel bulkhead cable jack	24_MMCX-50-2-1/111_OE	22645954	6
	<b>N</b>			
	Straight cable plug	11_N-50-2-15/113_UE	22660315	18
	Right angle cable plug	16_N-50-2-9/13_UH	23013729	11
	Straight cable jack	21_N-50-2-14/133_NE	22642666	18
	Straight panel bulkhead cable jack	24_N-50-2-14/133_NE	22544637	18
	Straight panel cable jack, flange mount	25_N-50-2-14/133_NE	22641303	18
	<b>PC3.5</b>			
	Straight cable plug	11_PC35-50-2-4/199_UE	84009440	33
	Straight cable jack	21_PC35-50-2-4/199_UE	84009419	33
	Straight panel bulkhead cable jack	24_PC35-50-2-2/199_UE	84009405	33
	<b>QMA</b>			
	Straight cable plug	11_QMA-50-2-3/133_NE	23017704	6
	Straight cable plug	11_QMA-50-2-3/133_NH	23017705	6
	Right angle cable plug	16_QMA-50-2-3/133_NE	23017666	6
	Right angle cable plug	16_QMA-50-2-3/133_NH	23017667	6
	Straight panel bulkhead cable jack	24_QMA-50-2-1/111_NE	23017742	6
	Straight panel bulkhead cable jack	24_QMA-50-2-1/111_NH	23017743	6
	<b>SK</b>			
	Straight cable plug	11_SK-50-2-57/119_NE	84013239	40
<b>SMA</b>				
Straight cable plug	11_SMA-50-2-29/119_NH	22660366	18	
Straight cable jack	21_SMA-50-2-15/111_NE	22544549	18	
Straight cable jack	21_SMA-50-2-15/111_NH	22652141	18	
Straight panel bulkhead cable jack	24_SMA-50-2-15/111_NE	22544532	18	
Straight panel bulkhead cable jack	24_SMA-50-2-15/111_NH	22645490	18	

# SUCOFORM

## Suitable connectors

HUBER+SUHNER cable type	Series, pattern	HUBER+SUHNER connector type	Item no.	Operating frequency (GHz)
SUCOFORM_86 Cable group Y11	<b>SMB</b>			
	Straight cable plug	11_SMB-50-2-13/111_NE	22543362	4
	Straight cable plug	11_SMB-50-2-13/111_NH	22658765	4
	Right angle cable plug	16_SMB-50-2-23/111_NE	22644079	4
	Straight cable jack	21_SMB-50-2-13/111_NE	22543425	4
	Straight panel bulkhead cable jack	24_SMB-50-2-13/111_NE	22640822	4
	<b>SMC</b>			
	Straight cable plug	11_SMC-50-2-13/111_NE	22543363	10
	Straight cable plug	11_SMC-50-2-13/111_NH	22650675	10
	Right angle cable plug	16_SMC-50-2-25/111_NE	22644126	10
	Right angle cable plug	16_SMC-50-2-25/111_NH	23003713	10
	Straight panel bulkhead cable jack	24_SMC-50-2-13/111_NE	22640297	10
	Straight panel bulkhead cable jack	24_SMC-50-2-13/111_NH	22650209	10
	<b>SMPX</b>			
	Straight cable plug	11_SMPX-50-2-1/111_NE	23021825	40
	Right angle cable plug	16_SMPX-50-2-1/111_NE	23022715	40
	Right angle cable plug	16_SMPX-50-2-2/111_NE	23022716	40
	Straight panel cable jack, flange mount	25_SMPX-50-2-1/111_NE	23025359	40
<b>TNC</b>				
Straight cable plug	11_TNC-50-2-20/103_NE	22642519	11	
Straight panel bulkhead cable jack	24_TNC-50-2-31/133_NE	23001721	11	
SUCOFORM_141 SUCOFORM_141_CU Cable group Y12	<b>N</b>			
	Straight cable plug	11_N-50-3-13/113_NE	22542083	11
	Straight cable plug	11_N-50-3-51/133_NE	22543919	18
	Right angle cable plug	16_N-50-3-15/133_NE	22648832	11
	Straight cable jack	21_N-50-3-11/133_NE	22543921	18
	Straight cable jack	21_N-50-3-51/19_NE	22543922	18
	Straight panel bulkhead cable jack	24_N-50-3-14/133_NE	22542300	18
	Straight panel bulkhead cable jack	24_N-50-3-51/19_NE	22642344	18
	Straight panel cable jack, flange mount	25_N-50-3-9/133_NE	22543952	11
	<b>PC3.5</b>			
	Straight cable plug	11_PC35-50-3-4/199_UE	84009380	33
	Straight cable jack	21_PC35-50-3-3/199_UE	84009382	33
Straight panel bulkhead cable jack	24_PC35-50-3-2/199_UE	84009383	33	

# SUCOFORM

## Suitable connectors

HUBER+SUHNER cable type	Series, pattern	HUBER+SUHNER connector type	Item no.	Operating frequency (GHz)
SUCOFORM_141 SUCOFORM_141_CU  Cable group Y12	<b>QMA</b>			
	Straight cable plug	11_QMA-50-3-3/133_NE	23017695	6
	Straight cable plug	11_QMA-50-3-3/133_NH	23017696	6
	Right angle cable plug	16_QMA-50-3-3/133_NE	23017693	6
	Right angle cable plug	16_QMA-50-3-3/133_NH	23017694	6
	Straight panel bulkhead cable jack	24_QMA-50-3-3/111_NE	23017683	6
	Straight panel bulkhead cable jack	24_QMA-50-3-3/111_NH	23017684	6
	<b>QN</b>			
	Straight cable plug	11_QN-50-3-3/113_NE	23033393	11
	Right angle cable plug	16_QN-50-3-3/13_NE	23033268	11
	Straight panel bulkhead cable jack	24_QN-50-3-3/13_NE	23033423	11
	<b>SMA</b>			
Straight cable plug	11_SMA-50-3-77/119_NH	84005524	18	
Right angle cable plug	16_SMA-50-3-3/111_NE	22640073	18	
Right angle cable plug	16_SMA-50-3-3/111_NH	22646569	18	
Straight panel bulkhead cable jack	24_SMA-50-3-15/111_NE	22641153	18	
Straight panel bulkhead cable jack	24_SMA-50-3-15/111_NH	22645259	18	
<b>TNC</b>				
Straight cable plug	11_TNC-50-3-29/103_NE	22641997	11	
Straight panel bulkhead cable jack	24_TNC-50-3-30/133_NH	23001723	11	
SUCOFORM_250-01 Cable group Y7	<b>716</b>			
	Straight cable plug	11_716-50-5-6/003_Y	84008435	7.5
	Straight panel cable jack, flange mount	25_716-50-5-17/000_Y	84008881	7.5
	<b>N</b>			
	Straight cable plug	11_N-50-5-18/103_NH	84008445	11
	Straight cable plug	11_N-50-5-39/133_NE	22642481	18
Straight cable jack	21_N-50-5-52/193_NE	22641531	18	

## Connector dimensions and additional information

For connector dimensions and additional information please refer to the corresponding connector type in the HUBER+SUHNER Coaxial Connectors General Catalogue or contact your local HUBER+SUHNER partner.