

SEMI-RIGID

The form-stable microwave cable

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SEMI-RIGID

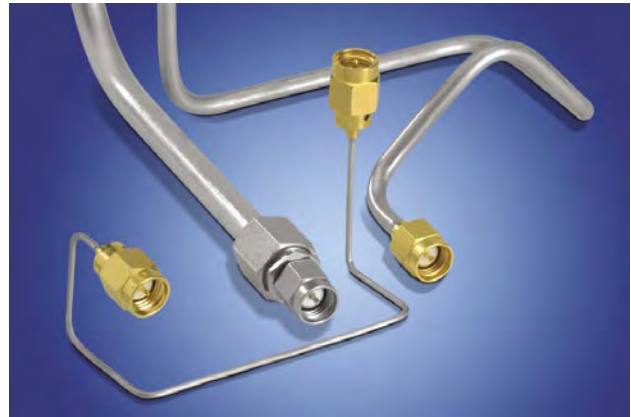
The form-stable microwave cable

Product description

The semi-rigid cable is unique in that it is easily bent to finished shape and still maintains its set after bending. This property makes it ideal for use with automated bending equipment as well as hand forming by bending tools.

There are hundreds of proven applications which include: low-noise amplifiers, a full range of microwave components, aeronautical and space applications and a variety of high-performance laboratory instrumentation.

The semi-rigid cables provide greatly extended environmental parameters. The cables exhibit highly favourable electrical characteristics, particularly an impedance tolerance as low as 0.5 Ohm for a .141" diameter cable with nominal impedance of 50 Ohm.



SEMI-RIGID

Features and benefits

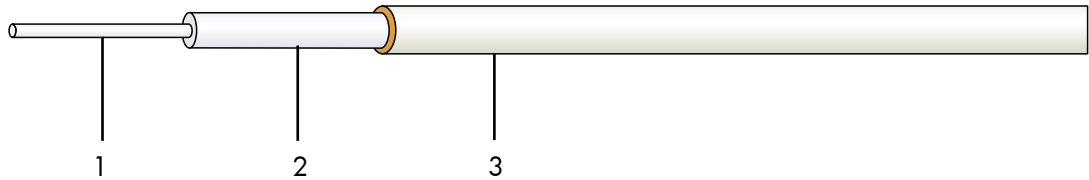
- Excellent electrical performance: impedance tolerance as low as 0.5 Ohm; minimum VSWR, smooth attenuation vs. frequency curve; minimum change in impedance and attenuation
- Easy to form, strip and solder, making for convenient installation
- Small sizes permit use in high-density areas
- MIL-C-17 qualified

HUBER+SUHNER cable type	Item no.	Operating frequency (GHz)	Temperature range		Outer dia. (mm)	Nom. attenuation 18 GHz, 25 °C (dB/m)	Bending radii		More Information see page
			minimum (°C)	maximum (°C)			static (mm)	dyn. (mm)	
EZ_47_TP_M17	22810504	40	-40	+100	1.19	5.1	3.18	n/a	20
EZ_47_AL_TP	22810510	40	-40	+100	1.19	5.4	1.27	n/a	22
EZ_86_TP_M17	22810175	40	-40	+125	2.20	3.2	3.18	n/a	24
EZ_86_AL_TP_M17	22810167	40	-40	+125	2.20	3.3	1.78	n/a	26
EZ_118_TP	22810073	40	-40	+125	2.95	1.8	20.0	n/a	28
EZ_141_TP_M17	22810043	33	-40	+125	3.58	2.1	6.35	n/a	30
EZ_141_AL_TP_M17	22810015	33	-40	+125	3.58	2.2	3.18	n/a	32
EZ_250_TP_M17	22810705	18	-40	+90	6.35	1.5	19.0	n/a	34
EZ_250_AL_TP	22810708	18	-40	+90	6.35	1.5	19.0	n/a	36

SEMI-RIGID EZ_47_TP_M17 (M17/151-00002)

Item no. 22810504

Cable design



	Description	Diameter
1. Centre conductor	Solid silver-plated copper clad-steel wire	0.29 mm
2. Dielectric	Solid PTFE	0.94 mm
3. Outer conductor	Seamless copper tubing, tin-plated	1.19 mm

Electrical cable data

Impedance	50 Ohm	
Operating frequency	40 GHz	
Capacitance	105 pF/m	
Velocity of propagation	69.5 %	
Time delay	4.8 ns/m	
Nom. attenuation*	coefficient a 1.04044	coefficient b 0.03967
Max. attenuation*	coefficient a 1.24853	coefficient b 0.04760
Max. operating voltage	1.0 kVrms	
Min. screening effectiveness up to 18 GHz	120 dB	

*Attenuation calculation

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

General cable data

Temperature range	-40...+100 °C
Weight	0.71 kg/100m
Min. bending radius static	3.18 mm
Min. bending radius dynamic	n/a

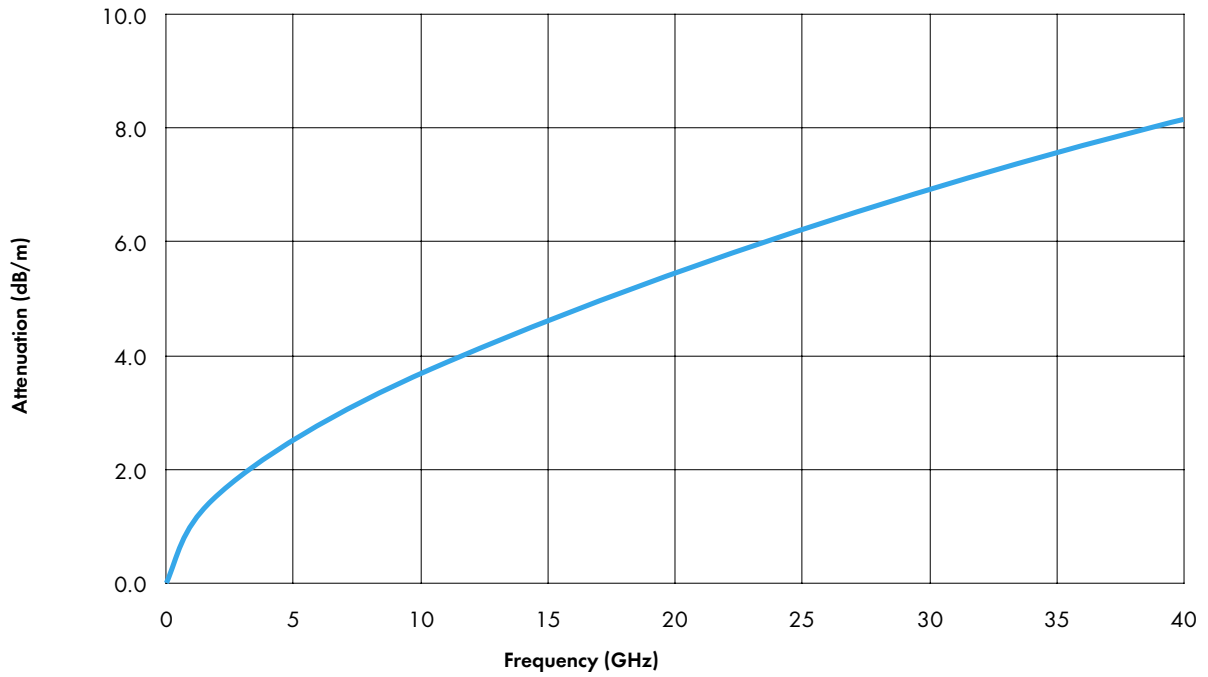
Suitable connectors

Cable group (please refer to pages 39 ff)	Y2
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SEMI-RIGID EZ_47_TP_M17

Cable attenuation

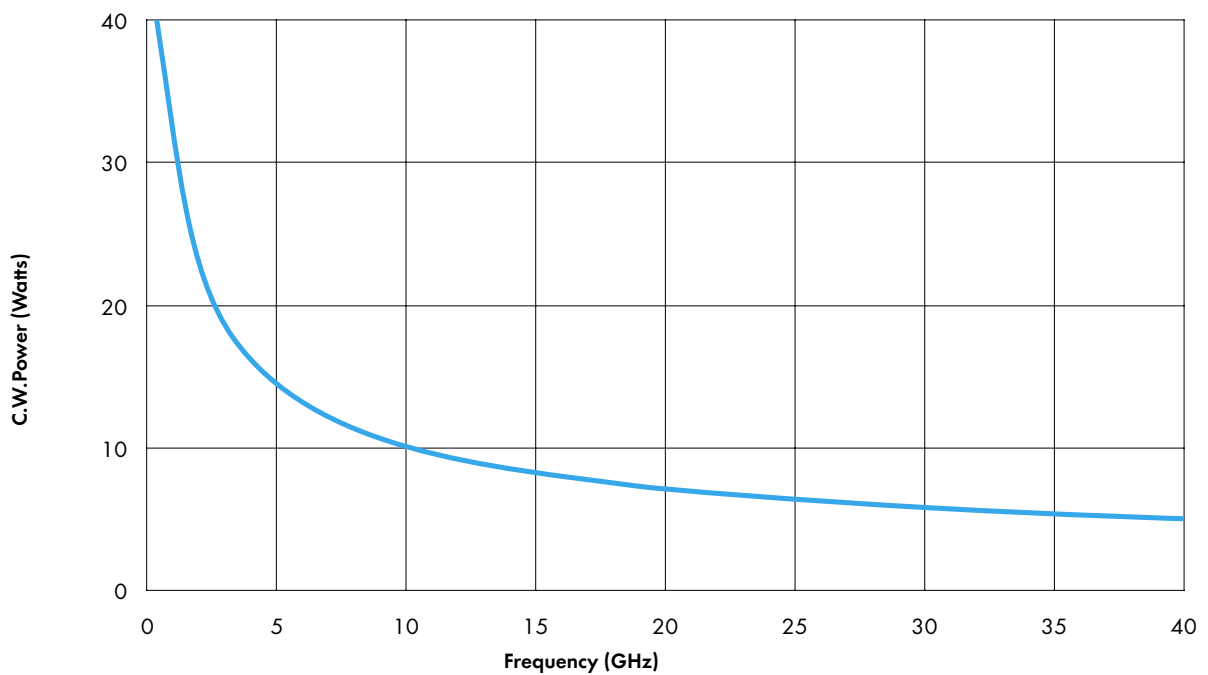
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

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



SEMI-RIGID EZ_47_AL_TP

Item no. 22810510

Cable design



	Description	Diameter
1. Centre conductor	Solid silver-plated copper clad-steel wire	0.29 mm
2. Dielectric	Solid PTFE	0.94 mm
3. Outer conductor	Seamless aluminium tubing, tin-plated	1.19 mm

Electrical cable data

Impedance	50 Ohm	
Operating frequency	40 GHz	
Capacitance	105 pF/m	
Velocity of propagation	69.5 %	
Time delay	4.8 ns/m	
Nom. attenuation*	coefficient a 1.10366	coefficient b 0.03967
Max. attenuation*	coefficient a 1.24853	coefficient b 0.04760
Max. operating voltage	1.0 kVrms	
Min. screening effectiveness up to 18 GHz	120 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...+100 °C
Weight	0.31 kg/100m
Min. bending radius static	1.27 mm
Min. bending radius dynamic	n/a

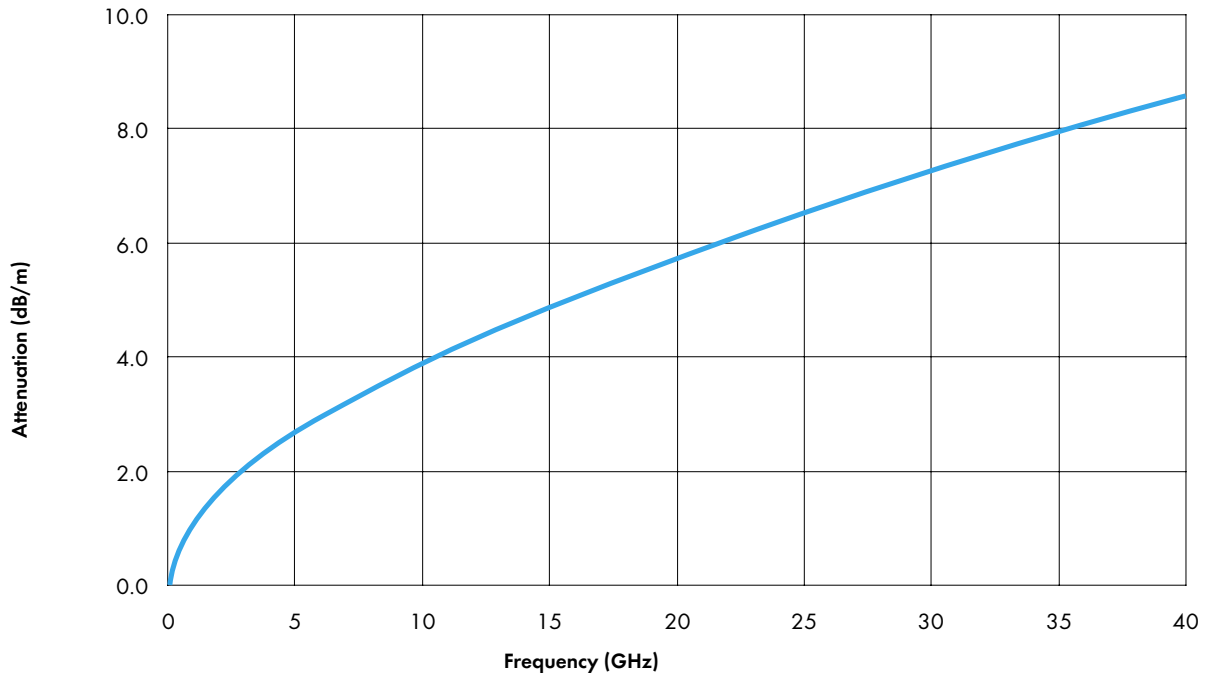
Suitable connectors

Cable group (please refer to pages 39 ff)	Y2
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SEMI-RIGID EZ_47_AL_TP

Cable attenuation

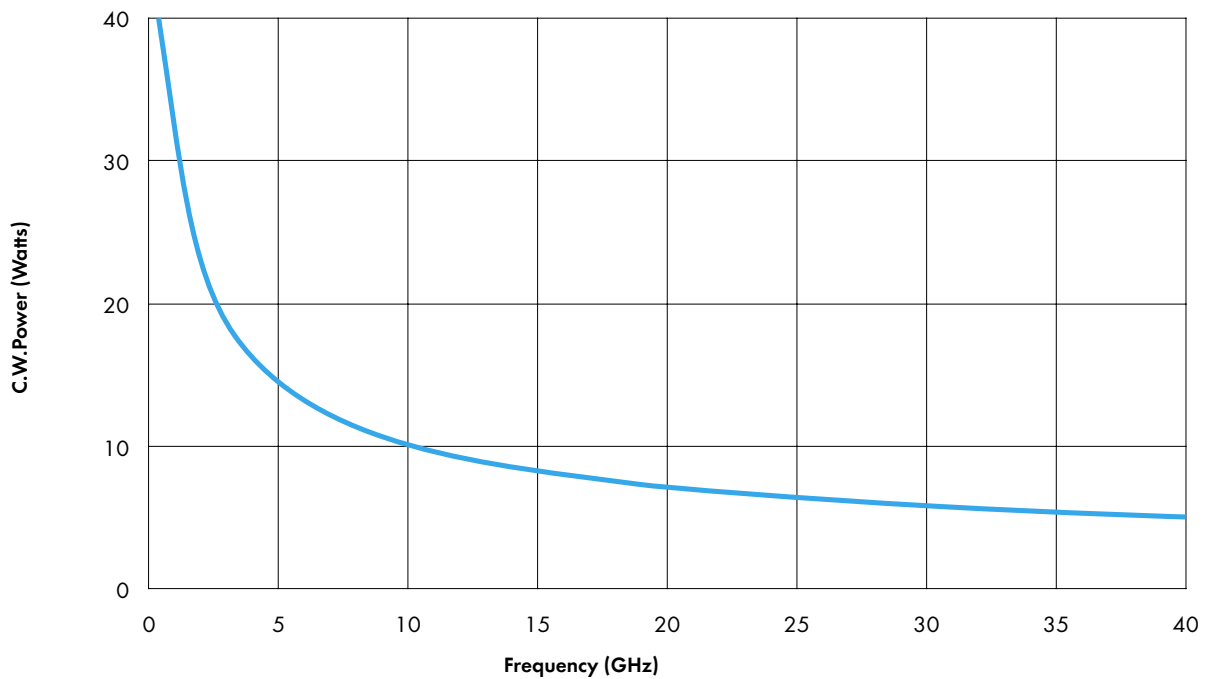
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

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



SEMI-RIGID EZ_86_TP_M17 (M17/133-00001)

Item no. 22810175

Cable design



	Description	Diameter
1. Centre conductor	Solid silver-plated copper clad-steel wire	0.51 mm
2. Dielectric	Solid PTFE	1.68 mm
3. Outer conductor	Seamless copper tubing, tin-plated	2.20 mm

Electrical cable data

Impedance	50 Ohm	
Operating frequency	40 GHz	
Capacitance	105 pF/m	
Velocity of propagation	69.5 %	
Time delay	4.8 ns/m	
Nom. attenuation*	coefficient a 0.58454	coefficient b 0.03967
Max. attenuation*	coefficient a 0.70145	coefficient b 0.04760
Max. operating voltage	1.5 kVrms	
Min. screening effectiveness up to 18 GHz	120 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...+125 °C
Weight	2.35 kg/100m
Min. bending radius static	3.18 mm
Min. bending radius dynamic	n/a

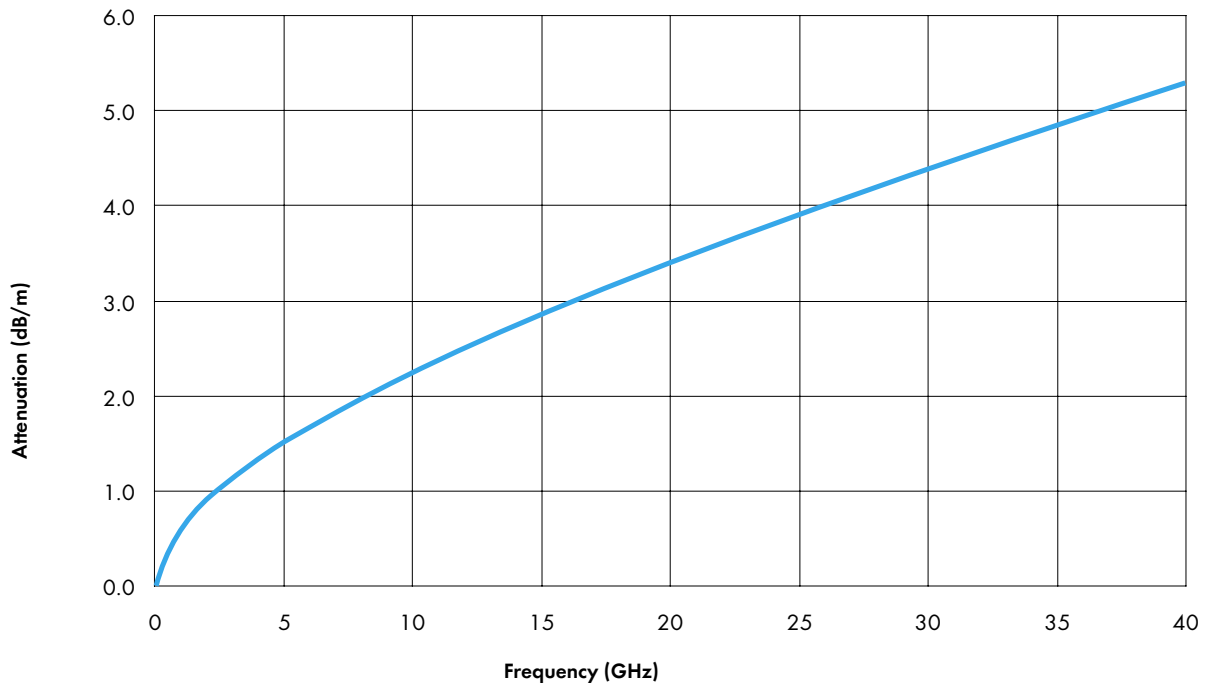
Suitable Connectors

Cable group (please refer to pages 39 ff)	Y3
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SEMI-RIGID EZ_86_TP_M17

Cable attenuation

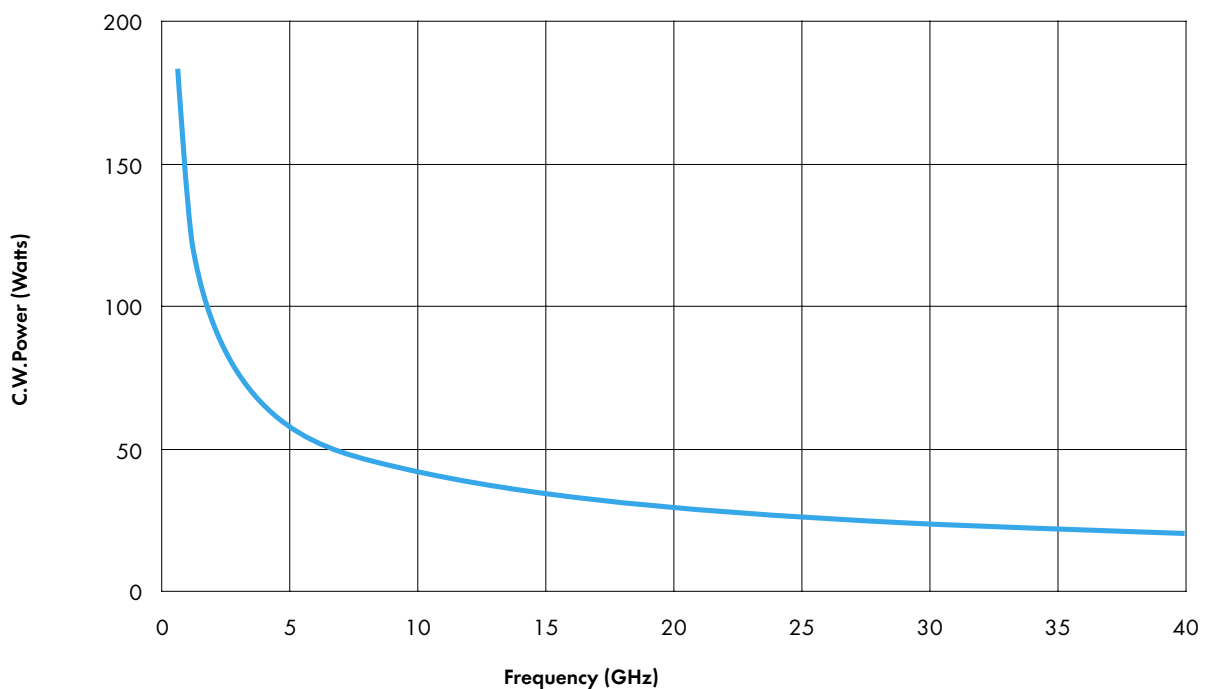
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

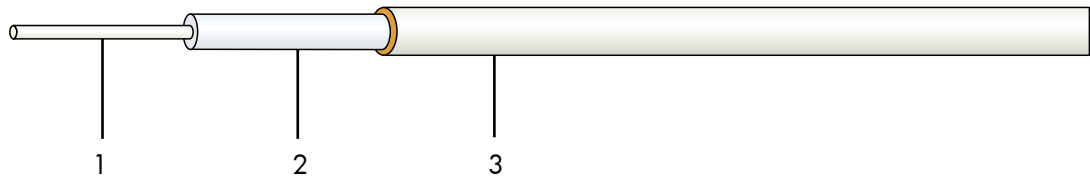
Maximum values @ +40 °C ambient temperature and sea level



SEMI-RIGID EZ_86_AL_TP_M17 (M17/133-00013)

Item no. 22810167

Cable design



	Description	Diameter
1. Centre conductor	Solid silver-plated copper clad-steel wire	0.51 mm
2. Dielectric	Solid PTFE	1.68 mm
3. Outer conductor	Seamless aluminium tubing, tin-plated	2.20 mm

Electrical cable data

Impedance	50 Ohm	
Operating frequency	40 GHz	
Capacitance	105 pF/m	
Velocity of propagation	69.5 %	
Time delay	4.8 ns/m	
Nom. attenuation*	coefficient a 0.61998	coefficient b 0.03967
Max. attenuation*	coefficient a 0.70145	coefficient b 0.04760
Max. operating voltage	1.5 kVrms	
Min. screening effectiveness up to 18 GHz	120 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...+125 °C
Weight	1.19 kg/100m
Min. bending radius static	1.78 mm
Min. bending radius dynamic	n/a

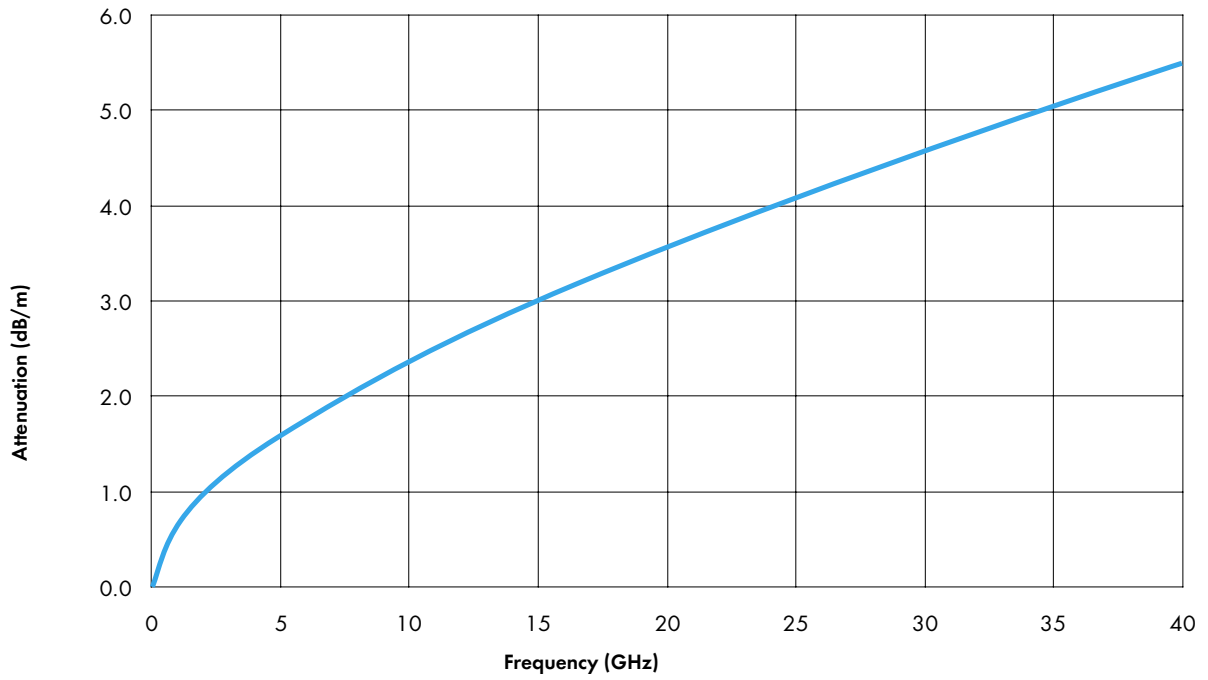
Suitable connectors

Cable group (please refer to pages 39 ff)	Y3
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SEMI-RIGID EZ_86_AL_TP_M17

Cable attenuation

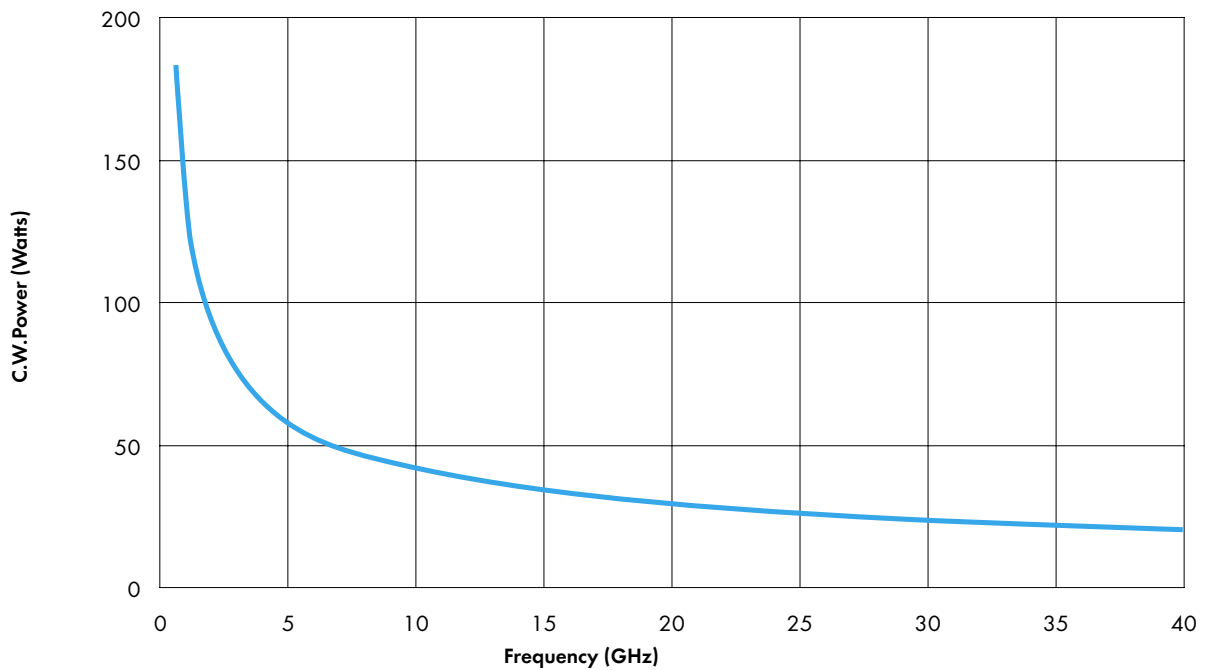
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

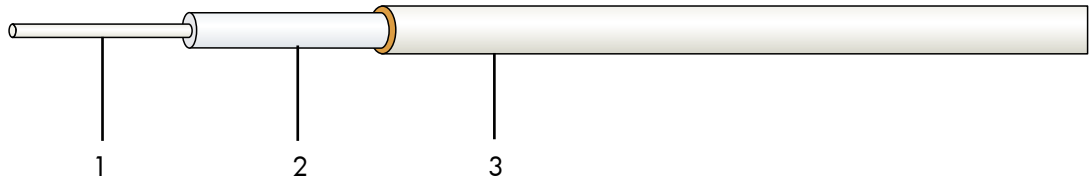
Maximum values @ +40 °C ambient temperature and sea level



SEMI-RIGID EZ_118_TP

Item no. 22810073

Cable design



	Description	Diameter
1. Centre conductor	Solid silver-plated copper wire	0.81 mm
2. Dielectric	Low loss PTFE	2.41 mm
3. Outer conductor	Seamless copper tubing, tin-plated	2.95 mm

Electrical cable data

Impedance	50 Ohm	
Operating frequency	40 GHz	
Capacitance	98 pF/m	
Velocity of propagation	80 %	
Time delay	4.2 ns/m	
Nom. attenuation*	coefficient a 0.38040	coefficient b 0.00791
Max. attenuation*	coefficient a 0.45648	coefficient b 0.00949
Max. operating voltage	1.5 kVrms	
Min. screening effectiveness up to 18 GHz	120 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...+125 °C
Weight	3.4 kg/100m
Min. bending radius static	20.0 mm
Min. bending radius dynamic	n/a

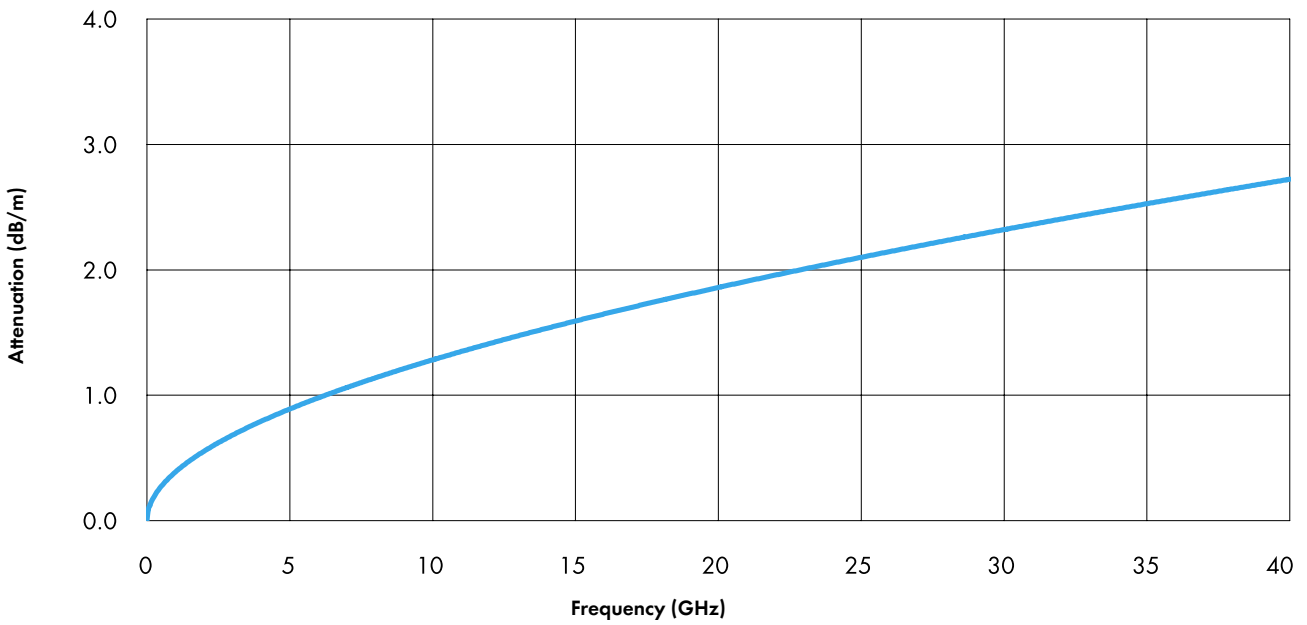
Suitable connectors

Cable group (please refer to pages 39 ff)	Y10
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SEMI-RIGID EZ_118_TP

Cable attenuation

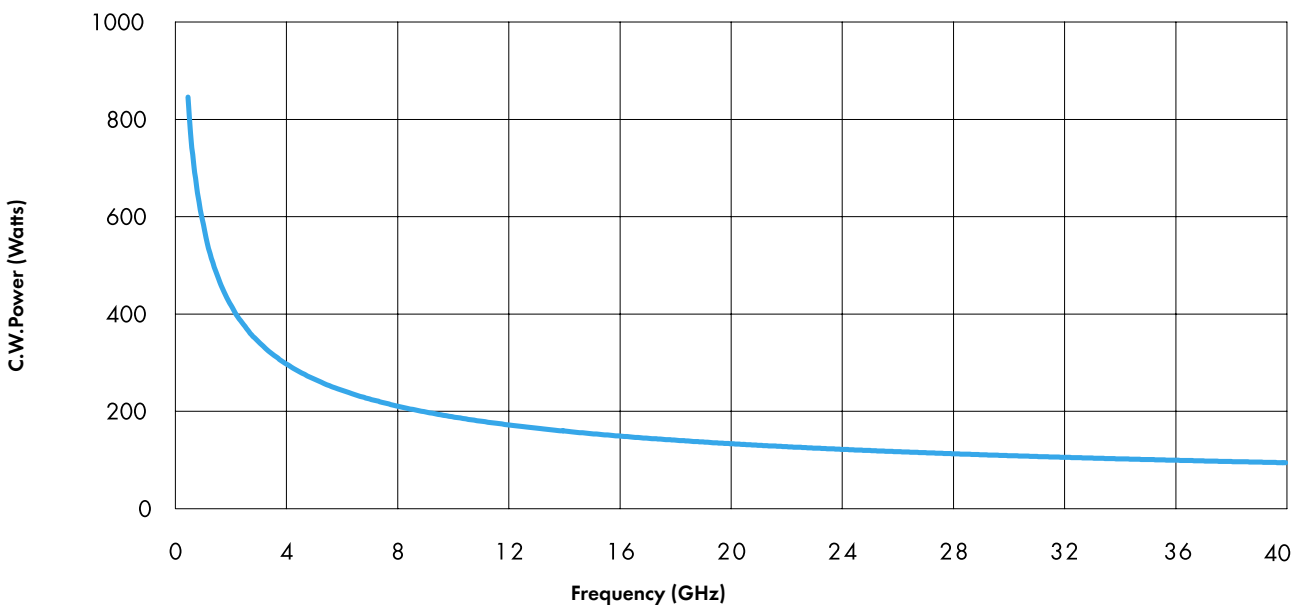
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

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



SEMI-RIGID EZ_141_TP_M17 (M17/130-00001)

Item no. 22810043

Cable design



	Description	Diameter
1. Centre conductor	Solid silver-plated copper clad-steel wire	0.92 mm
2. Dielectric	Solid PTFE	2.98 mm
3. Outer conductor	Seamless copper tubing, tin-plated	3.58 mm

Electrical cable data

Impedance	50 Ohm	
Operating frequency	33 GHz	
Capacitance	98 pF/m	
Velocity of propagation	69.5 %	
Time delay	4.8 ns/m	
Nom. attenuation*	coefficient a 0.32544	coefficient b 0.03967
Max. attenuation*	coefficient a 0.39053	coefficient b 0.04760
Max. operating voltage	1.9 kVrms	
Min. screening effectiveness up to 18 GHz	120 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...+125 °C
Weight	5.22 kg/100m
Min. bending radius static	6.35 mm
Min. bending radius dynamic	n/a

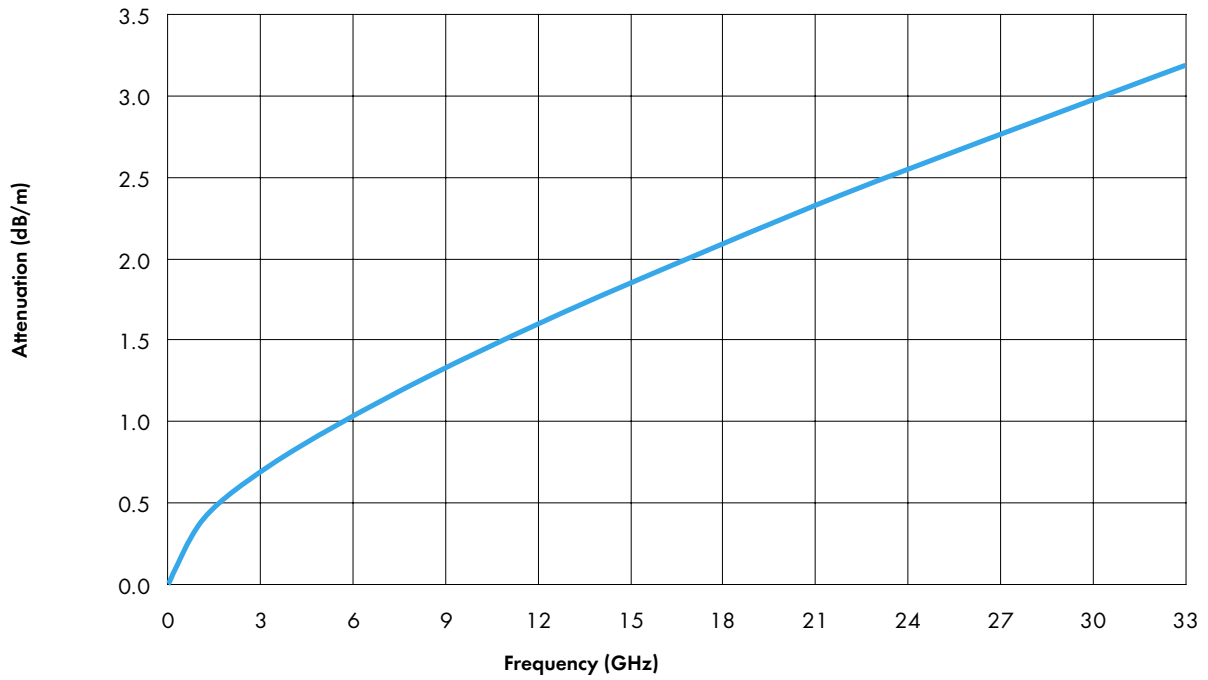
Suitable connectors

Cable group (please refer to pages 39 ff)	Y5
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SEMI-RIGID EZ_141_TP_M17

Cable attenuation

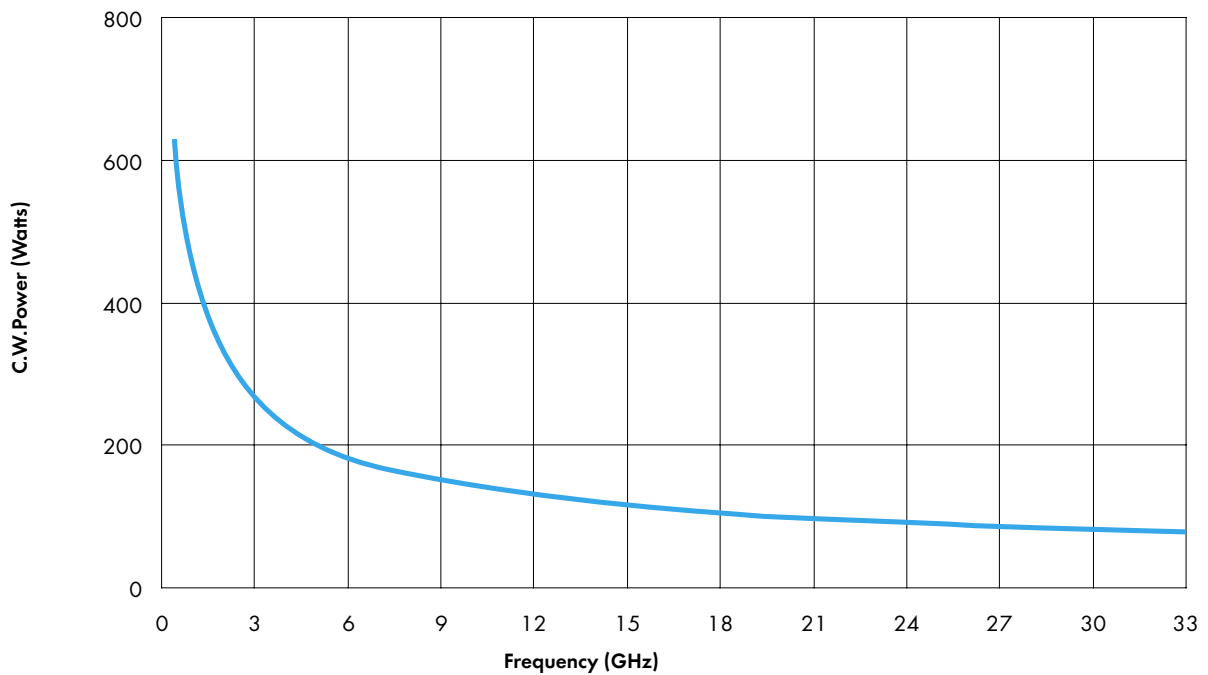
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

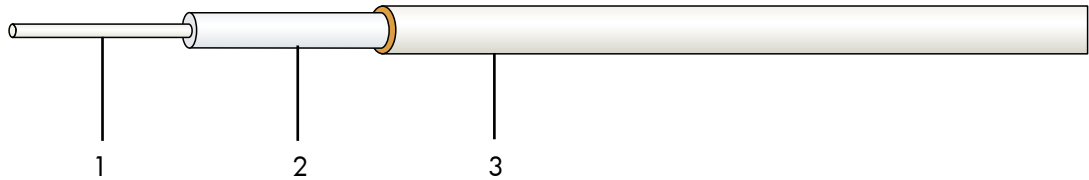
Maximum values @ +40 °C ambient temperature and sea level



SEMI-RIGID EZ_141_AL_TP_M17 (M17/130-00009)

Item no. 22810015

Cable design



	Description	Diameter
1. Centre conductor	Solid silver-plated copper clad-steel wire	0.92 mm
2. Dielectric	Solid PTFE	2.98 mm
3. Outer conductor	Seamless aluminium tubing, tin-plated	3.58 mm

Electrical cable data

Impedance	50 Ohm	
Operating frequency	33 GHz	
Capacitance	98 pF/m	
Velocity of propagation	69.5 %	
Time delay	4.8 ns/m	
Nom. attenuation*	coefficient a 0.34536	coefficient b 0.03967
Max. attenuation*	coefficient a 0.39053	coefficient b 0.04760
Max. operating voltage	1.9 kVrms	
Min. screening effectiveness up to 18 GHz	120 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...+125 °C
Weight	3.05 kg/100m
Min. bending radius static	3.18 mm
Min. bending radius dynamic	n/a

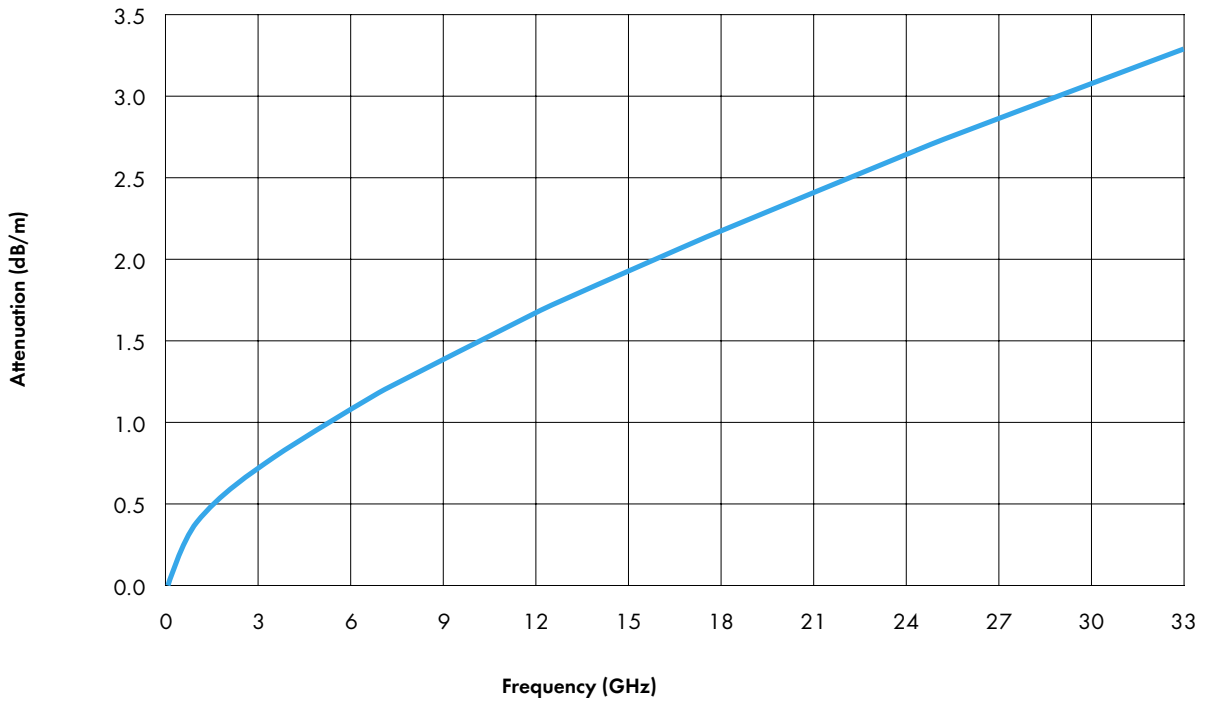
Suitable connectors

Cable group (please refer to pages 39 ff)	Y5
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SEMI-RIGID EZ_141_AL_TP_M17

Cable attenuation

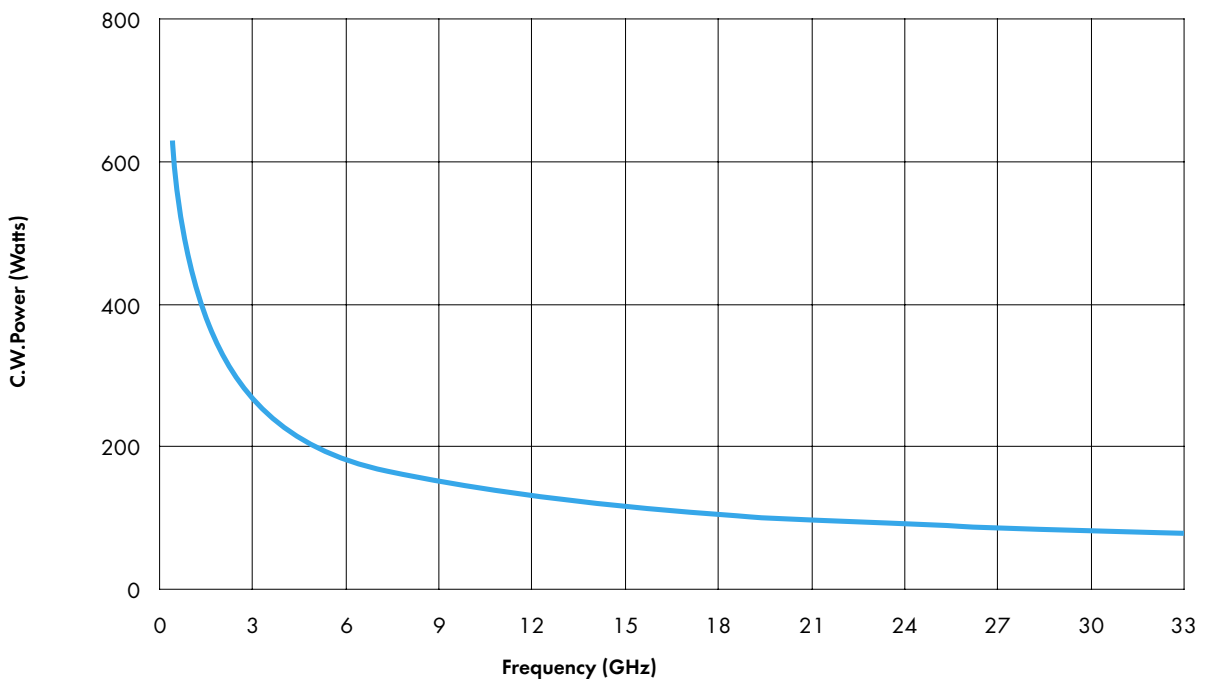
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

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



SEMI RIGID EZ_250_TP_M17 (M17/129-00001)

Item no. 22810705

Cable design



	Description	Diameter
1. Centre conductor	Solid silver-plated copper wire	1.63 mm
2. Dielectric	Solid PTFE	5.31 mm
3. Outer conductor	Seamless copper tubing, tin-plated	6.35 mm

Electrical cable data

Impedance	50 Ohm	
Operating frequency	18 GHz	
Capacitance	97 pF/m	
Velocity of propagation	69.5 %	
Time delay	4.8 ns/m	
Nom. attenuation*	coefficient a 0.18630	coefficient b 0.03967
Max. attenuation*	coefficient a 0.22032	coefficient b 0.04760
Max. operating voltage	3.0 kVrms	
Min. screening effectiveness up to 18 GHz	120 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...+90 °C
Weight	15.8 kg/100m
Min. bending radius static	19 mm
Min. bending radius dynamic	n/a

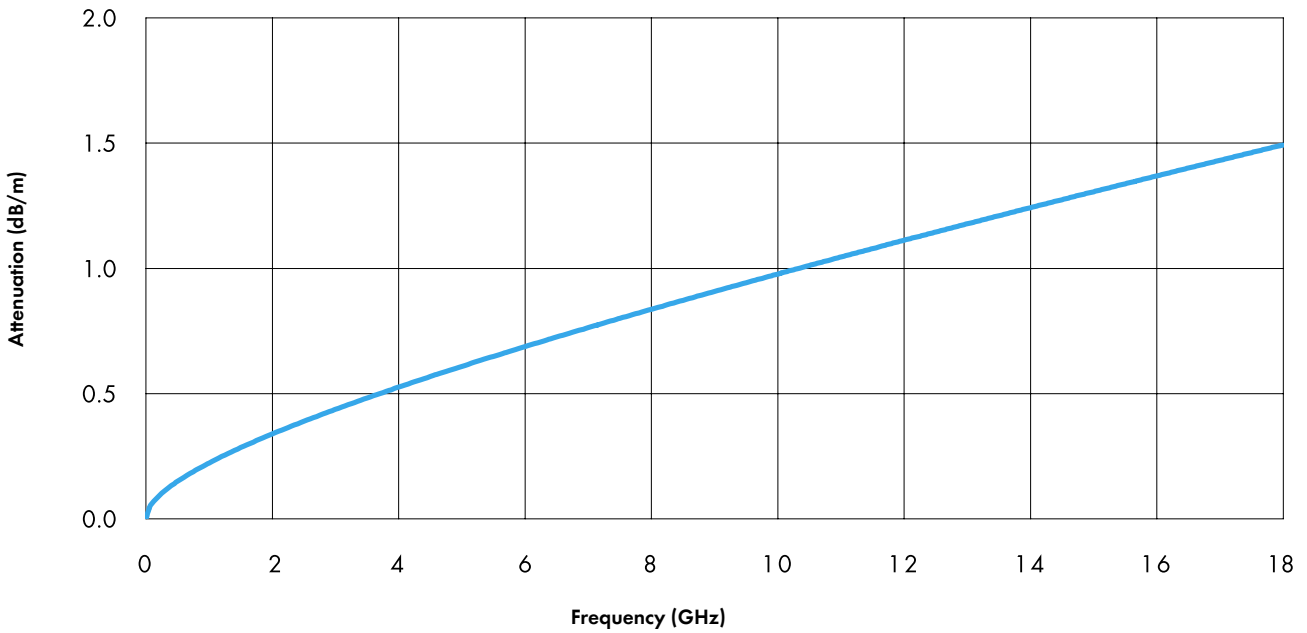
Suitable connectors

Cable group (please refer to pages 39 ff)	Y7
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SEMI RIGID EZ_250_TP_M17

Cable attenuation

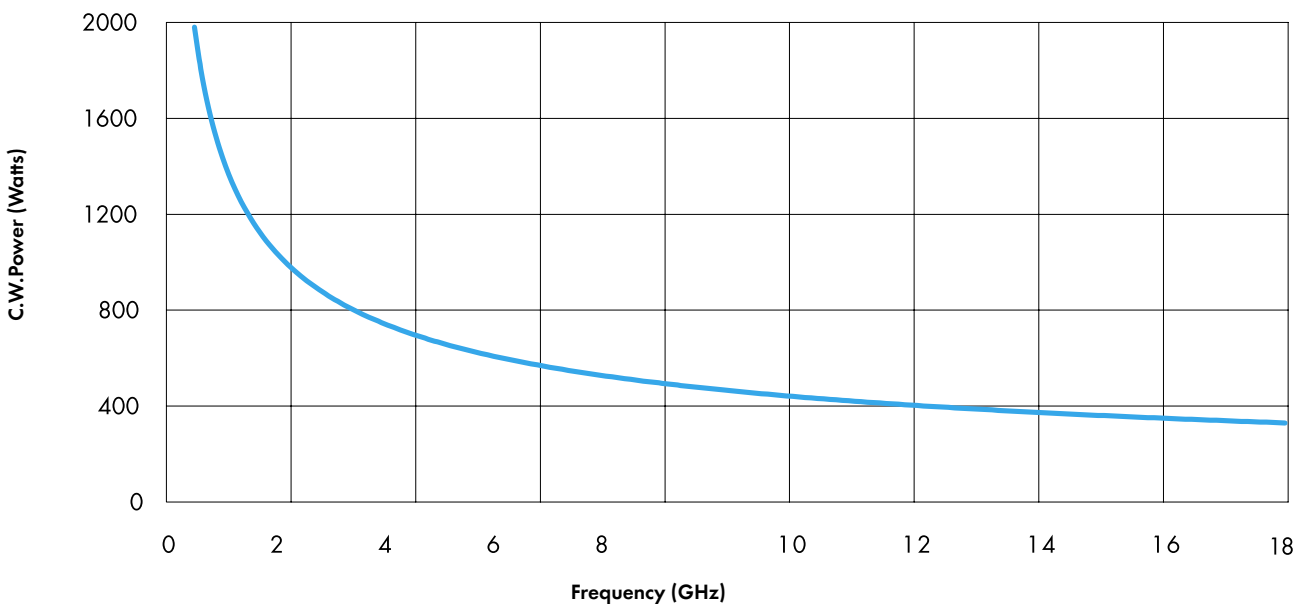
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

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



SEMI RIGID EZ_250_AL_TP

Item no. 22810708

Cable design



	Description	Diameter
1. Centre conductor	Solid silver-plated copper wire	1.63 mm
2. Dielectric	Solid PTFE	5.31 mm
3. Outer conductor	Seamless aluminium tubing, tin-plated	6.35 mm

Electrical cable data

Impedance	50 Ohm	
Operating frequency	18 GHz	
Capacitance	97 pF/m	
Velocity of propagation	69.5 %	
Time delay	4.8 ns/m	
Nom. attenuation*	coefficient a 0.19630	coefficient b 0.03967
Max. attenuation*	coefficient a 0.22032	coefficient b 0.04760
Max. operating voltage	3.0 kVrms	
Min. screening effectiveness up to 18 GHz	120 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...+90 °C
Weight	8.86 kg/100m
Min. bending radius static	19 mm
Min. bending radius dynamic	n/a

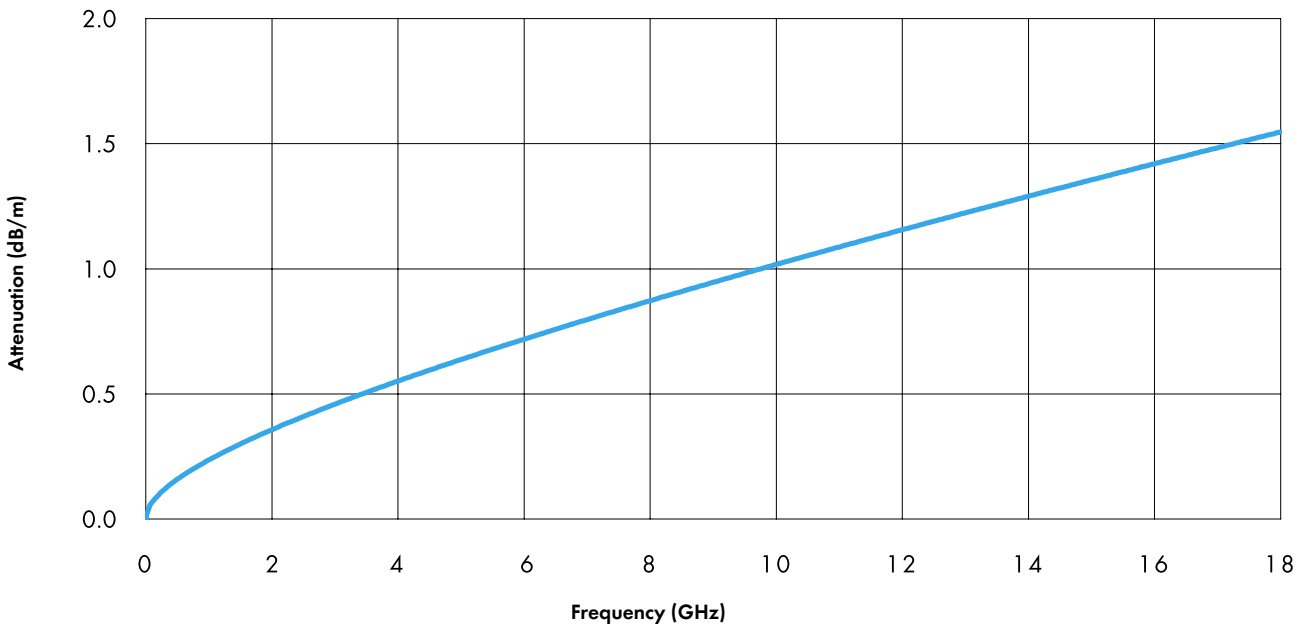
Suitable connectors

Cable group (please refer to pages 39 ff)	Y7
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SEMI RIGID EZ_250_AL_TP

Cable attenuation

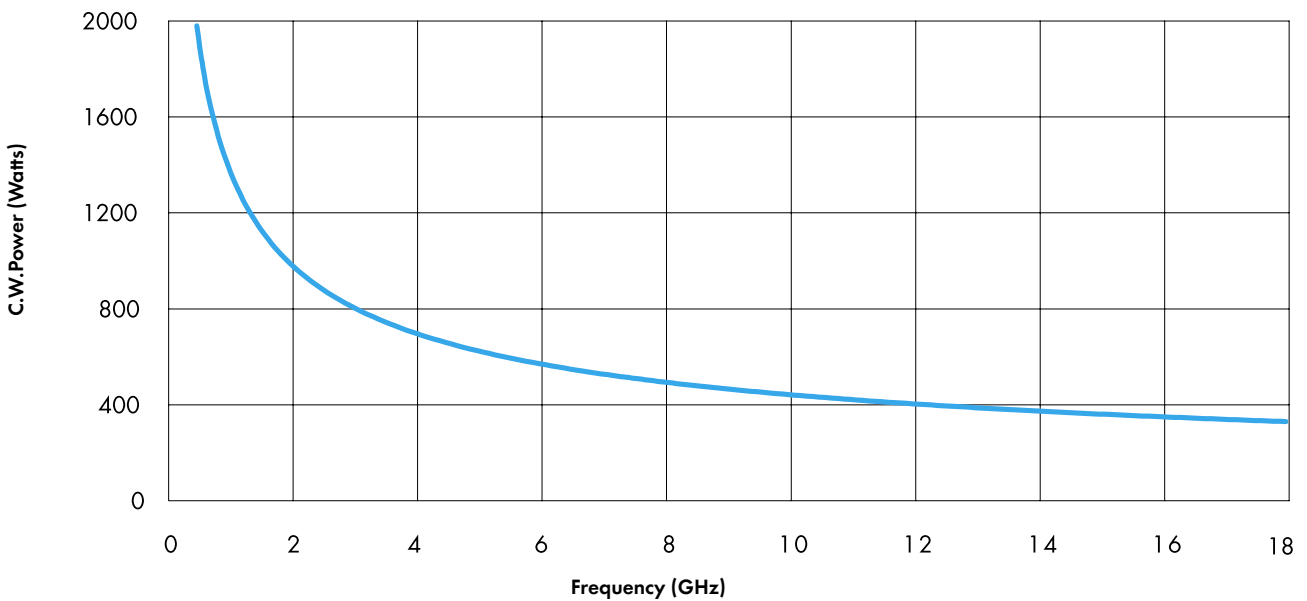
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

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



SEMI-RIGID

Further available semi-rigid products

50 Ohm

HUBER+SUHNER cable type	Item no.	Centre conductor	Outer conductor	Jacket material	Outer diameter (mm)	Nom. attenuation dB/m @ 18 GHz
EZ_34_TP_M17	22810404	StCuAg	Cu-TP	n/a	0.86	7.0
EZ_47_M17	22810500	StCuAg	Cu	n/a	1.19	5.1
EZ_47_CU_TP	22810505	CuAg	Cu-TP	n/a	1.19	5.1
EZ_86_M17	22810173	StCuAg	Cu	n/a	2.20	3.2
EZ_86_CU_TP_M17	22810182	CuAg	Cu-TP	n/a	2.20	3.2
EZ_141_M17	22810041	StCuAg	Cu	n/a	3.58	2.1
EZ_141_CU_TP	22810050	CuAg	Cu-TP	n/a	3.58	2.1
EZ_250_M17	22810701	CuAg	Cu	n/a	6.35	1.5

75 Ohm

HUBER+SUHNER cable type	Item no.	Centre conductor	Outer conductor	Jacket material	Outer diameter (mm)	Nom. attenuation dB/m @ 18 GHz
EZ_86_75_TP	22810164	StCuAg	Cu-TP	n/a	2.20	0.7
EZ_141_75_TP	22810034	StCuAg	Cu-TP	n/a	3.58	0.4

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
EZ_34_25_TP	22810396	25	StCuAg	Cu-TP	n/a	0.86	2.0
EZ_90_25_TP	22810075	25	CuAg	Cu-TP	n/a	2.29	0.8
EZ_141_70_TP	22810039	70	StCuAg	Cu-TP	n/a	3.58	0.4

Other cable types are available on request. Please contact your [local HUBER+SUHNER partner](#) for more information.

CuAg Silver plated copper
StCuAG Silver plated copper clad steel
CuSn Tin soaked copper braid
Cu Seamless copper tubing
Cu-TP Seamless copper tubing, tin-plated
Al-TP Seamless aluminium tubing, tin-plated
M17 Qualified to MIL-C-17

PE Polyethylene
SPE Foam polyethylene
PTFE Polytetrafluethylene
LDPTFE Low density polytetrafluorethylene
PUR Polyurethane
LSFH Low Smoke Free of Halogen polyethylene
FEP Fluoroethylenepropylene copolymer

SEMI-RIGID

A wide range of standard connectors is available for semi-rigid 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)
EZ_47_TP_M17 EZ_47_AL_TP Cable group Y2	MCX			
	Straight cable plug	11_MCX-50-1-14/111_NE	23032081	6
	Right angle cable plug	16_MCX-50-1-11/111_NE	23024700	6
	Right angle cable plug	16_MCX-50-1-11/111_NH	23032063	6
	MMCX			
	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
	SK			
	Straight cable plug	11_SK-50-1-2/119_NE	84013232	40
SMA				
Straight cable plug	11_SMA-50-1-53/119_NH	23013327	18	
Right angle cable plug	16_SMA-50-1-97/19_NE	23024708	18	
Straight cable jack	21_SMA-50-1-2/111_NE	22642386	18	
EZ_86_TP_M17 EZ_86_AL_TP_M17 Cable group Y3	MCX			
	Straight cable plug	11_MCX-50-2-19/111_NH	23032147	6
	Straight cable plug	11_MCX-50-2-19/111_NE	23024699	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
	MMCX			
	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	

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Suitable connectors

HUBER+SUHNER cable type	Series, pattern	HUBER+SUHNER connector type	Item no.	Operating frequency (GHz)
EZ_86_TP_M17 EZ_86_AL_TP_M17 Cable group Y3	N			
	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
	PC3.5			
	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
	QMA			
	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
	SK			
	Straight cable plug	11_SK-50-2-56/119_NE	84013230	40
	SMA			
	Straight cable plug	11_SMA-50-2-15/111_NE	22544545	18
	Straight cable plug	11_SMA-50-2-15/111_NH	22645898	18
	Right angle cable plug	16_SMA-50-2-100/199_NH	23018813	26.5
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	
SMB				
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	

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Suitable connectors

HUBER+SUHNER cable type	Series, pattern	HUBER+SUHNER connector type	Item no.	Operating frequency (GHz)
EZ_86_TP_M17 EZ_86_AL_TP_M17	SMC			
	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
	Cable group Y3	SMPX		
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
	TNC			
	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
EZ_118_TP				
	SK			
	Straight cable plug	11_SK-50-2-51/119_NE	22645972	40
	Straight cable jack	21_SK-50-2-51/199_NE	22645973	40
Cable group Y10	Straight panel bulkhead cable jack	24_SK-50-2-54/1.._NE	23011557	40
EZ_141_TP_M17 EZ_141_AL_TP_M17				
	N			
	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
	Cable group Y5	Straight panel cable jack, flange mount	25_N-50-3-9/133_NE	22543952
	PC3.5			
	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

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Suitable connectors

HUBER+SUHNER cable type	Series, pattern	HUBER+SUHNER connector type	Item no.	Operating frequency (GHz)
EZ_141_TP_M17 EZ_141_AL_TP_M17 Cable group Y5	QMA			
	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
	QN			
	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
	SMA			
	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	
TNC				
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	
EZ_250_TP_M17 EZ_250_AL_TP Cable group Y7	716			
	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
	N			
	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
	SMA			
Straight cable plug	11_SMA-50-5-2/199_NE	22643253	18	

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](#).