Back to main menu

SEMI RIGID
The form-stable microwave cable

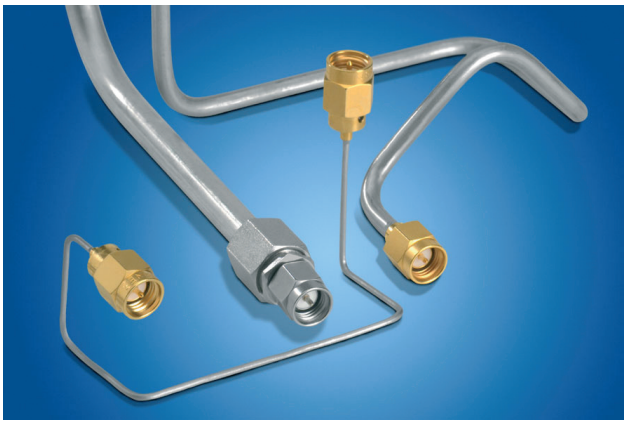
Content

Back to main menu

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.



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

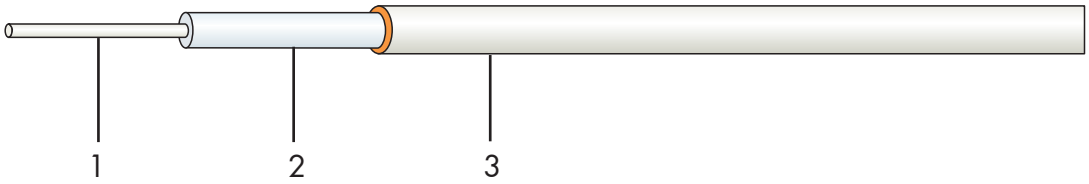
SUHNER type	Order code	Operating frequency (GHz)	Temperature range minimum (°C)	Temperature range maximum (°C)	Outer dia. (mm)	Nom. attenuation 18 GHz, 25°C (dB/m)	Bending radii static (mm)	Bending radii dyn. (mm)	More Infomation see page
EZ 47-TP/M17	22810504	20	-40	+100	1.19	5.1	3.18	n/a	20
EZ 47-AL-TP	22810510	20	-40	+100	1.19	5.4	1.27	n/a	22
EZ 86-TP/M17	22810175	20	-40	+125	2.20	3.2	3.18	n/a	24
EZ 86-AL-TP/M17	22810167	20	-40	+125	2.20	3.3	1.78	n/a	26
EZ 118-TP	22810073	40	-40	+125	2.95	1.8	9.53	n/a	28
EZ 141-TP/M17	22810043	20	-40	+125	3.58	2.1	6.35	n/a	30
EZ 141-AL-TP/M17	22810015	20	-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

Back to main menu

SEMI RIGID EZ 47-TP/M17 (M17/151-00002)

Order code 22810504

Cable design



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

Electrical cable data

Impedance					50 Ohm
Operating frequency					20 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* $\alpha_{25} = a \cdot \sqrt{f(GHz)} + b \cdot f(GHz)$ *(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

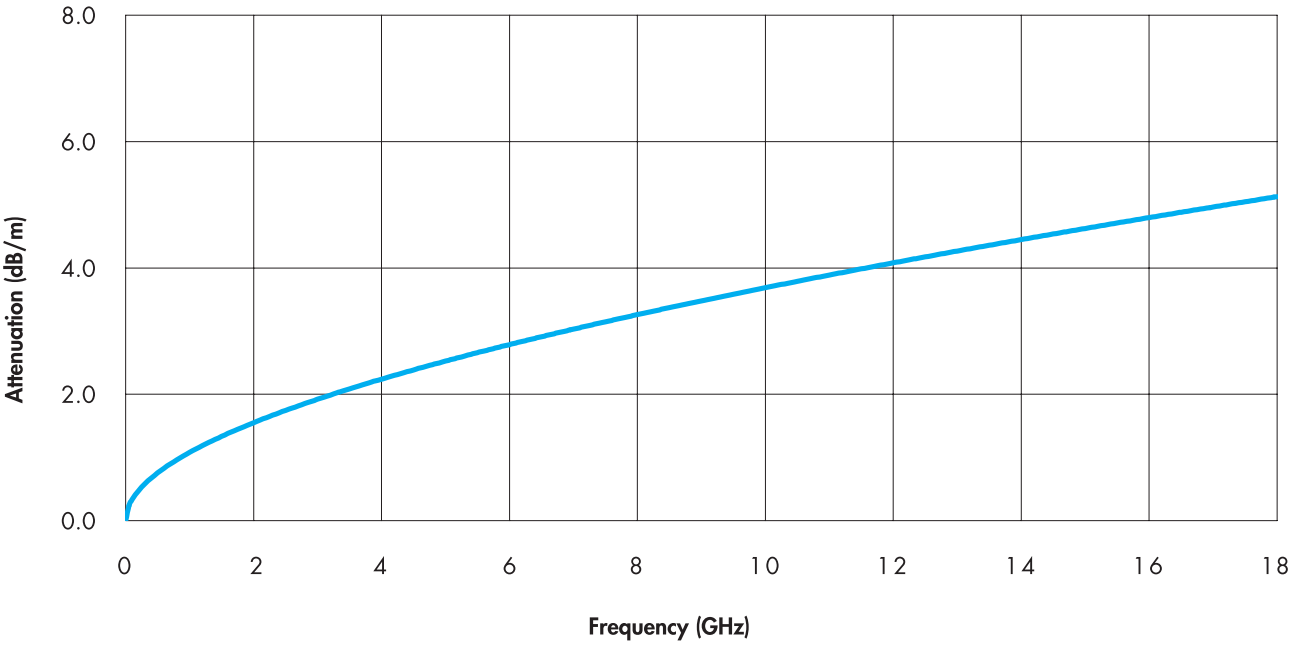
Suitable connectors

Cable group (please refer to pages 39 ff)	Y2

SEMI RIGID EZ 47-TP/M17

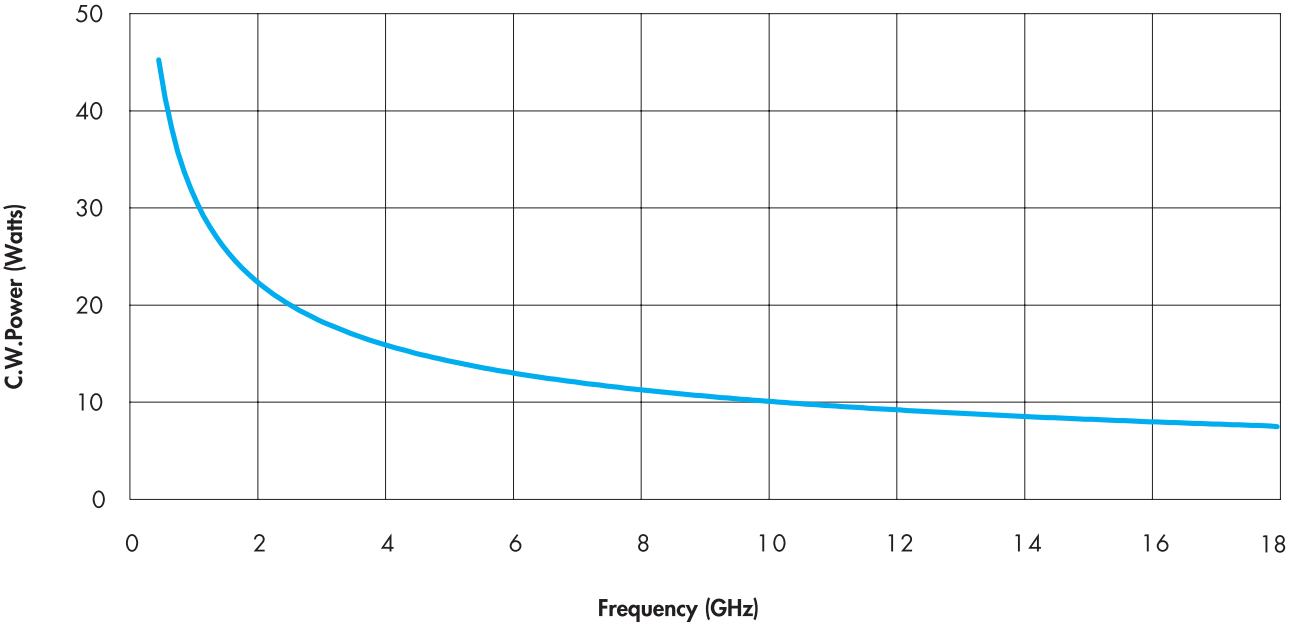
Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

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

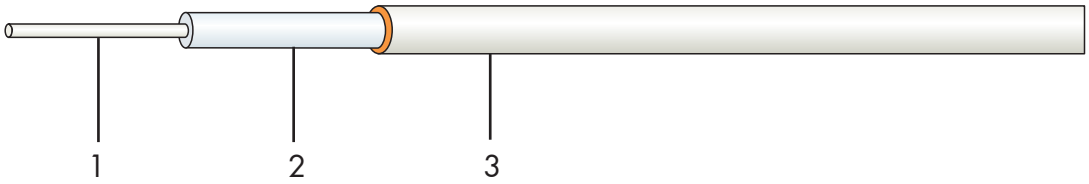


Back to main menu

SEMI RIGID EZ 47-AL-TP

Order code 22810510

Cable design



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

Electrical cable data

Impedance					50 Ohm
Operating frequency					20 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

**Attenation calculation* $\alpha_{25} = a \cdot \sqrt{f(GHz)} + b \cdot f(GHz)$ *(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

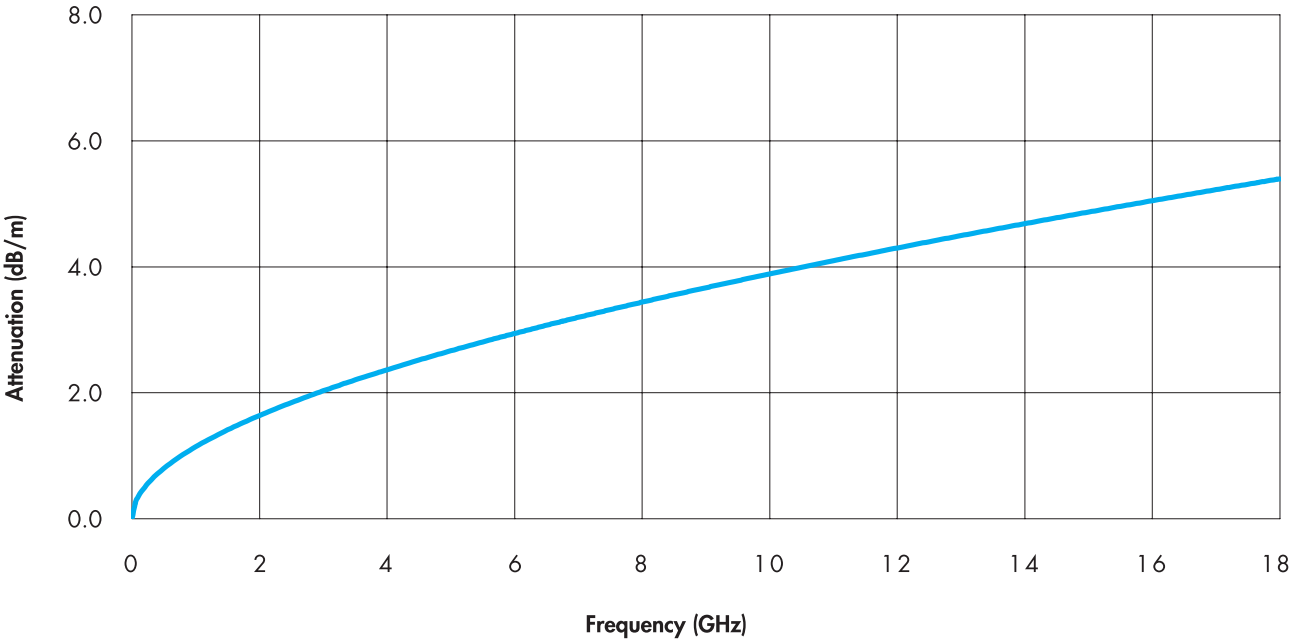
Suitable connectors

Cable group (please refer to pages 39 ff) Y2

SEMI RIGID EZ 47-AL-TP

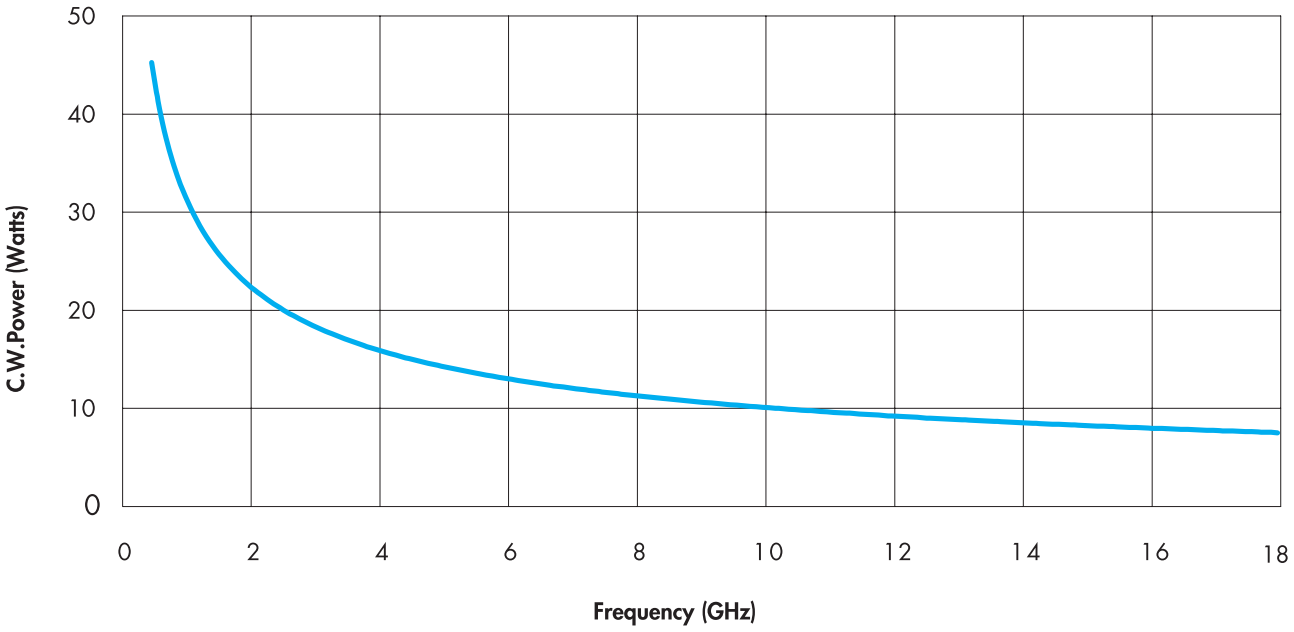
Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

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

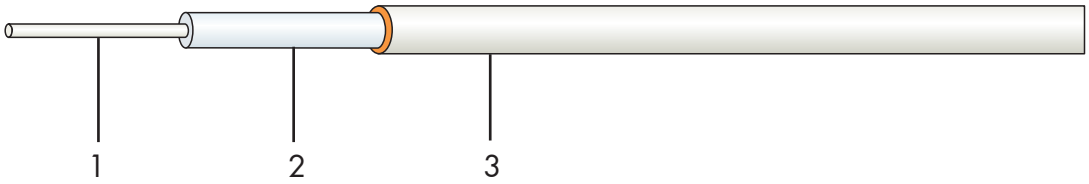


Back to main menu

SEMI RIGID EZ 86-TP/M17 (M17/133-00001)

Order code 22810175

Cable design



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

Electrical cable data

Impedance					50 Ohm
Operating frequency					20 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 $\alpha_{25} = a \cdot \sqrt{f(GHz)} + b \cdot f(GHz)$ *(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

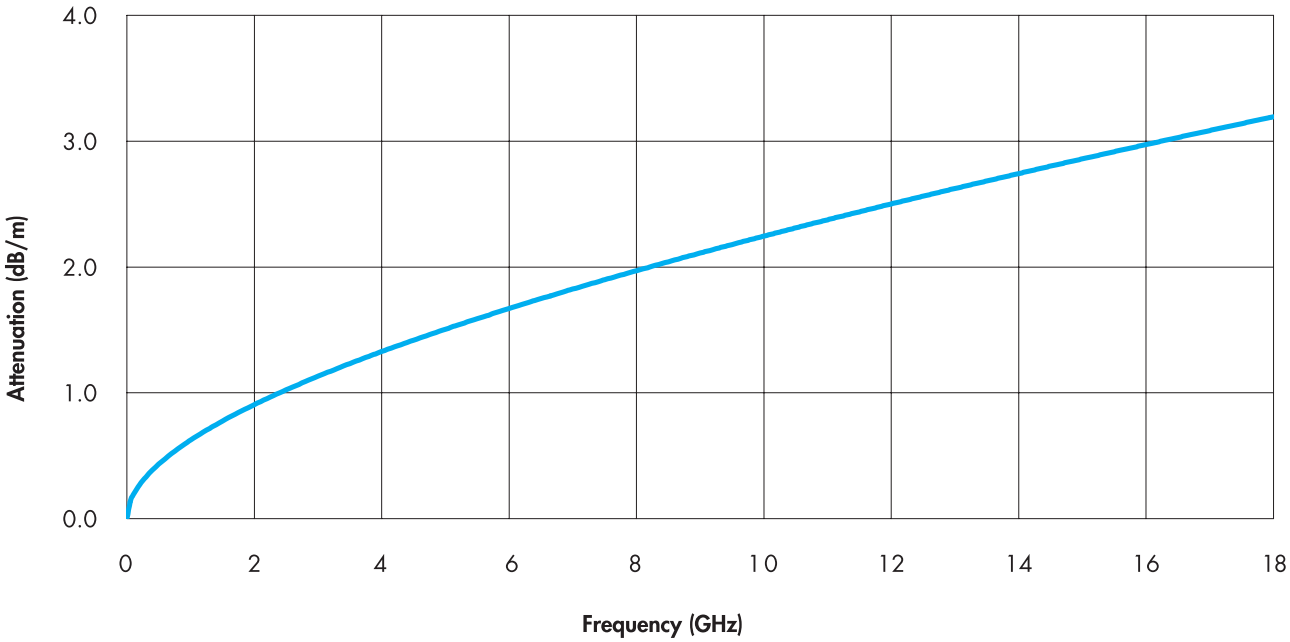
Suitable Connectors

Cable group (please refer to pages 39 ff)	Y3

SEMI RIGID EZ 86-TP/M17

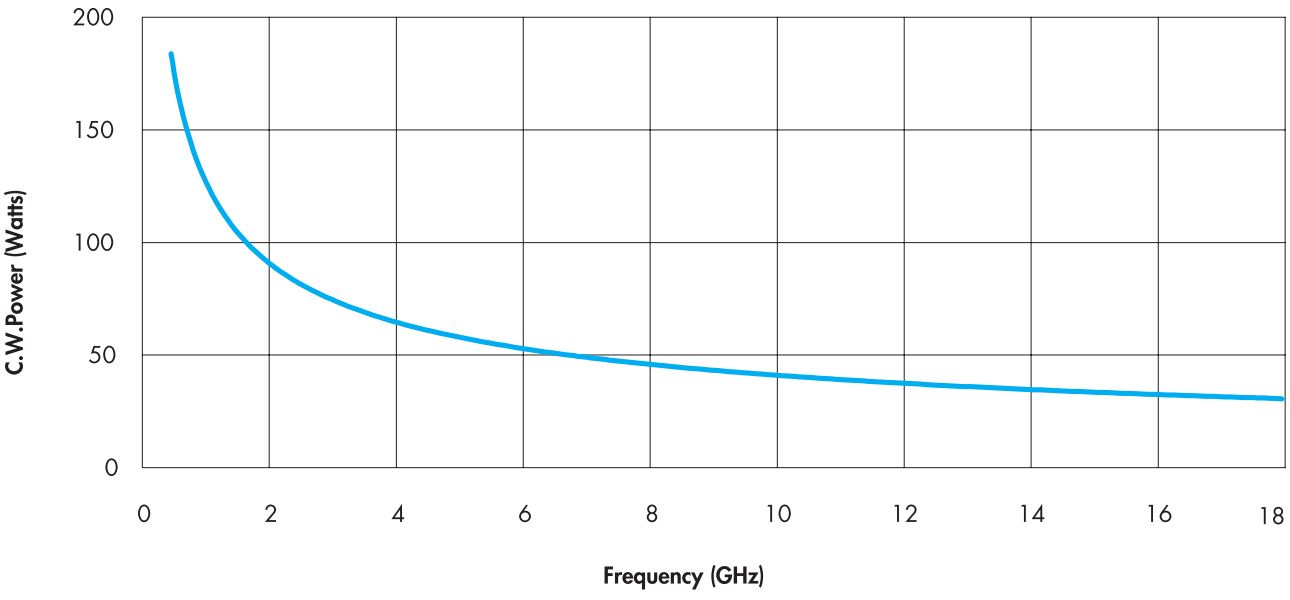
Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

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

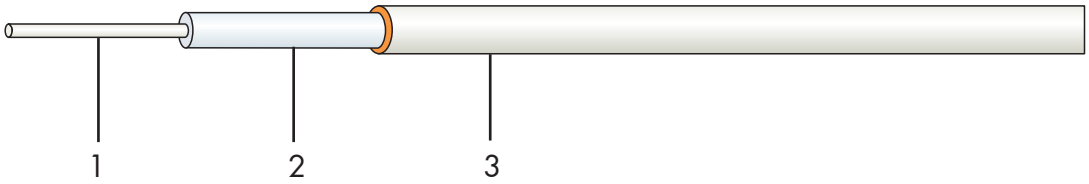


Back to main menu

SEMI RIGID EZ 86-AL-TP/M17 (M17/133-00013)

Order code 22810167

Cable design



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

Electrical cable data

Impedance					50 Ohm
Operating frequency					20 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 $\alpha_{25} = a \cdot \sqrt{f(GHz)} + b \cdot f(GHz)$ *(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

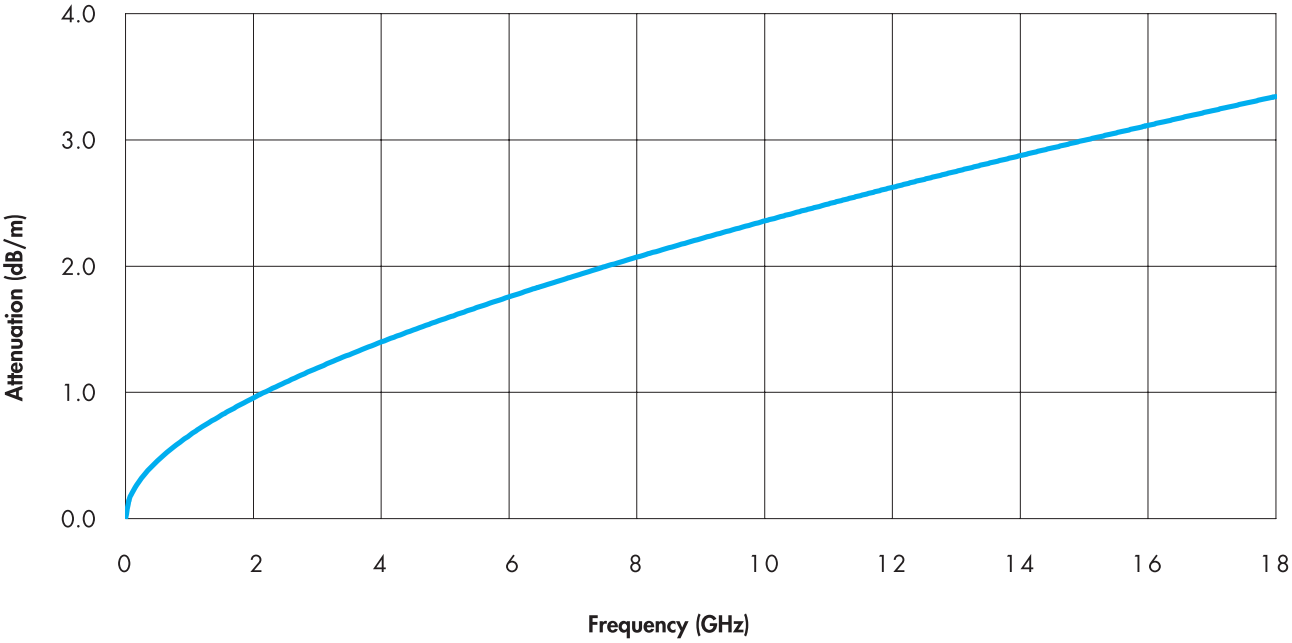
Suitable connectors

Cable group (please refer to pages 39 ff)	Y3

SEMI RIGID EZ 86-AL-TP/M17

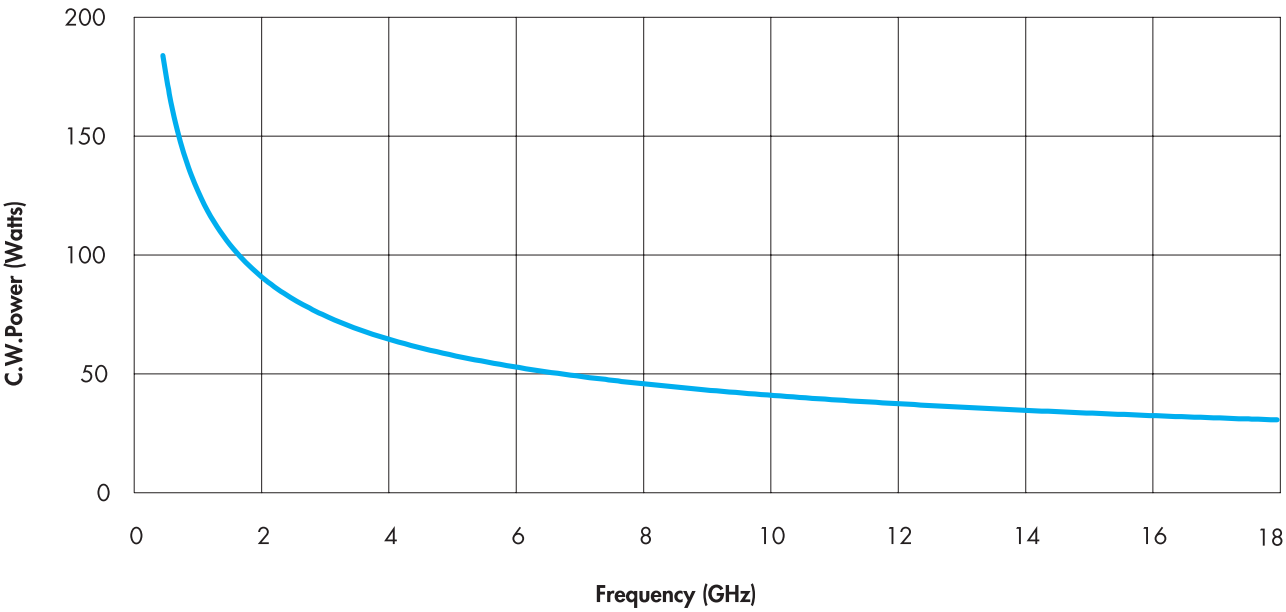
Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

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

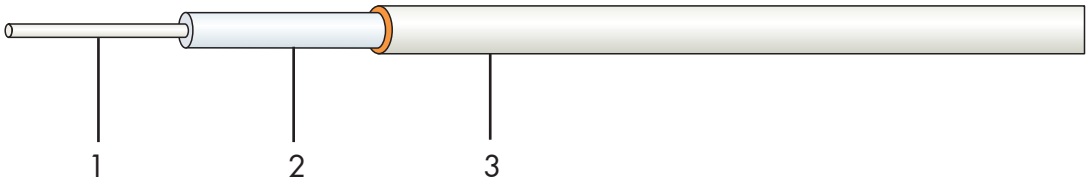


Back to main menu

SEMI RIGID EZ 118-TP

Order code 22810073

Cable design



	Description	Material	Diameter
1. Centre conductor	Solid silver-plated copper wire	CuAg	0.81 mm
2. Dielectric	Low loss PTFE	LA-PTFE	2.31 mm
3. Outer conductor	Seamless copper tubing, tin-plated	Cu-TP	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 $\alpha_{25} = a \cdot \sqrt{f(GHz)} + b \cdot f(GHz)$ *(dB/m)*

General cable data

Temperature range	-40...+125 °C
Weight	3.4 kg/100m
Min. bending radius static	9.53 mm
Min. bending radius dynamic	n/a

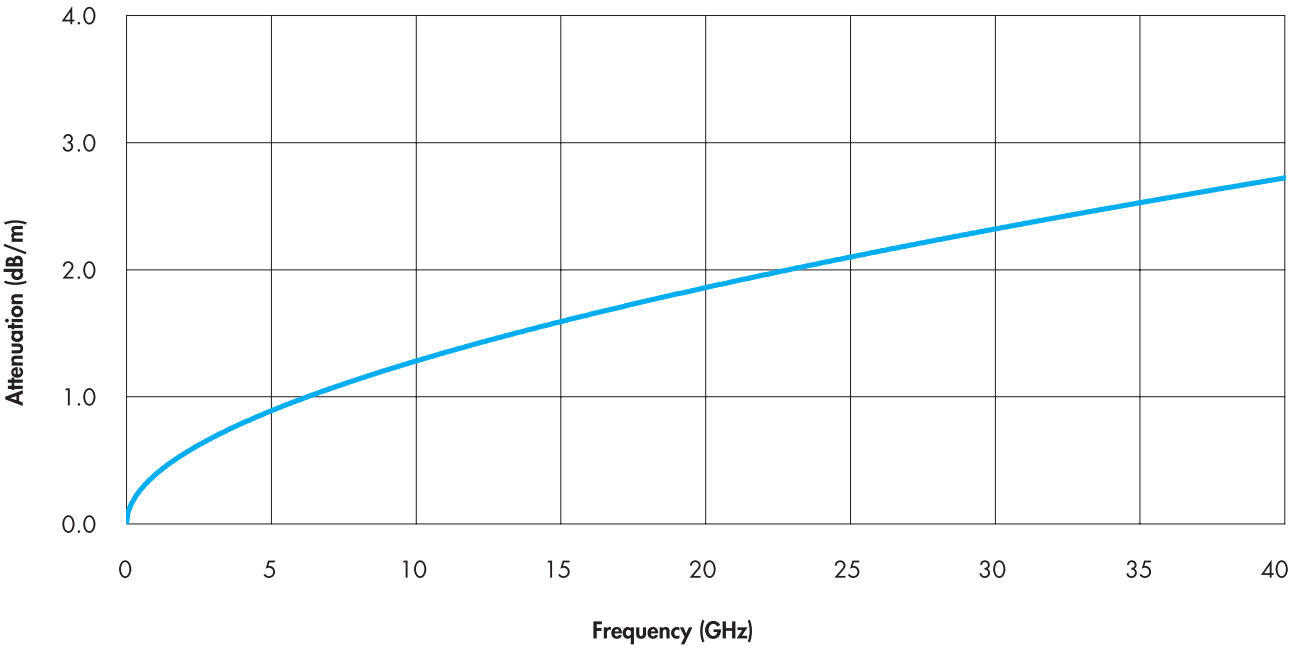
Suitable connectors

Cable group (please refer to pages 39 ff)	Y10

SEMI RIGID EZ 118-TP

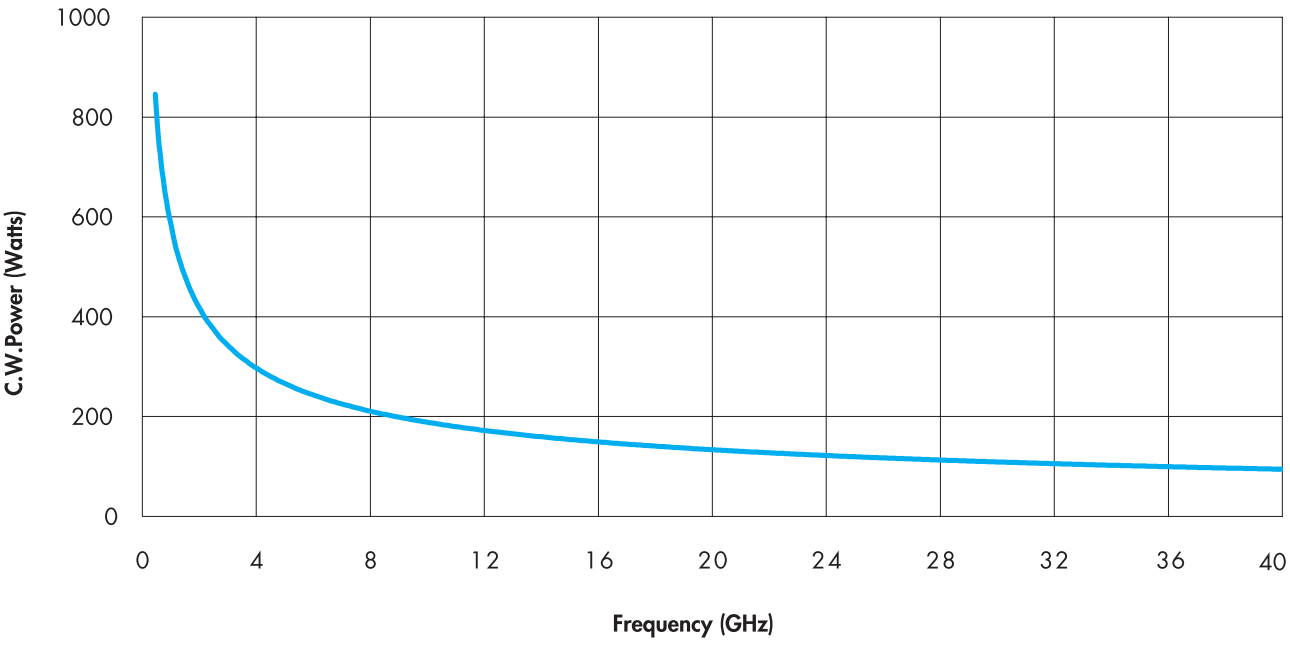
Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

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

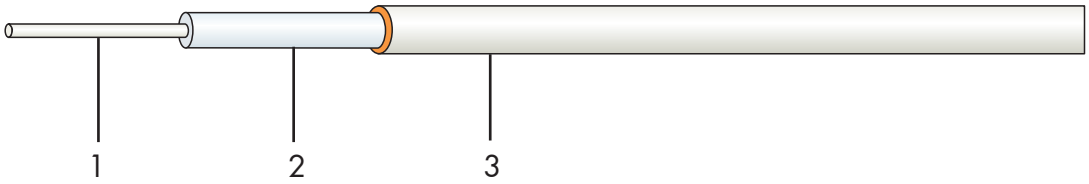


Back to main menu

SEMI RIGID EZ 141-TP/M17 (M17/130-00001)

Order code 22810043

Cable design



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

Electrical cable data

Impedance					50 Ohm
Operating frequency					20 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 $\alpha_{25} = a \cdot \sqrt{f(GHz)} + b \cdot f(GHz)$ *(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

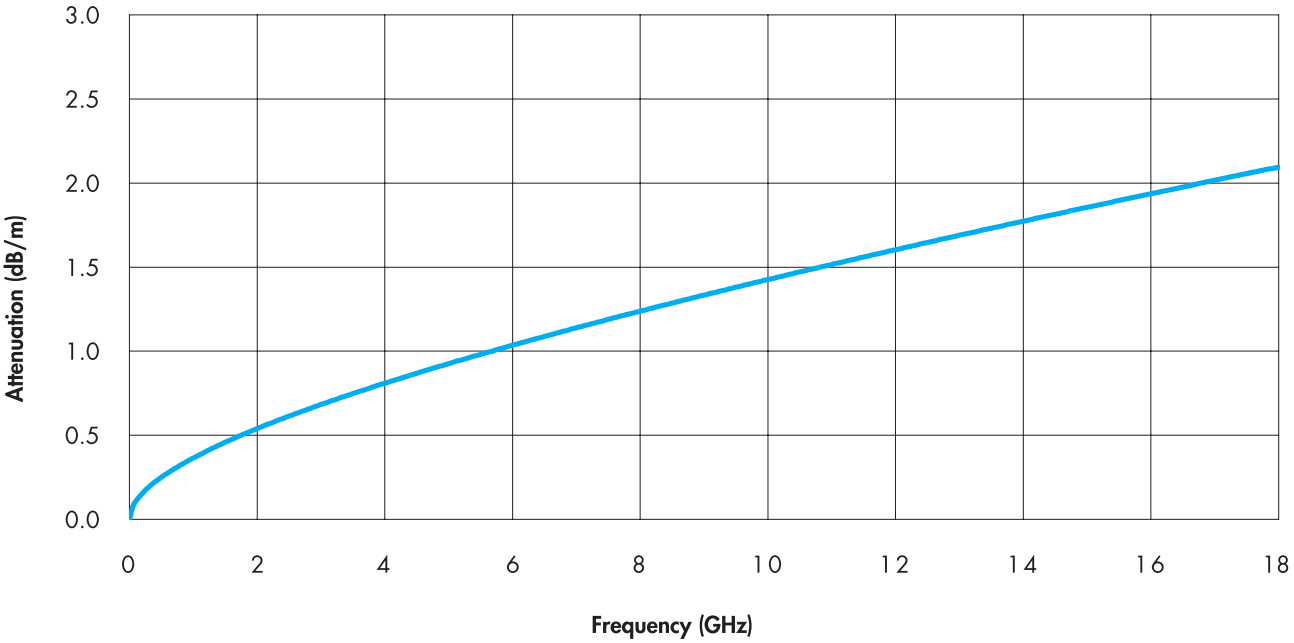
Suitable connectors

Cable group (please refer to pages 39 ff) Y5

SEMI RIGID EZ 141-TP/M17

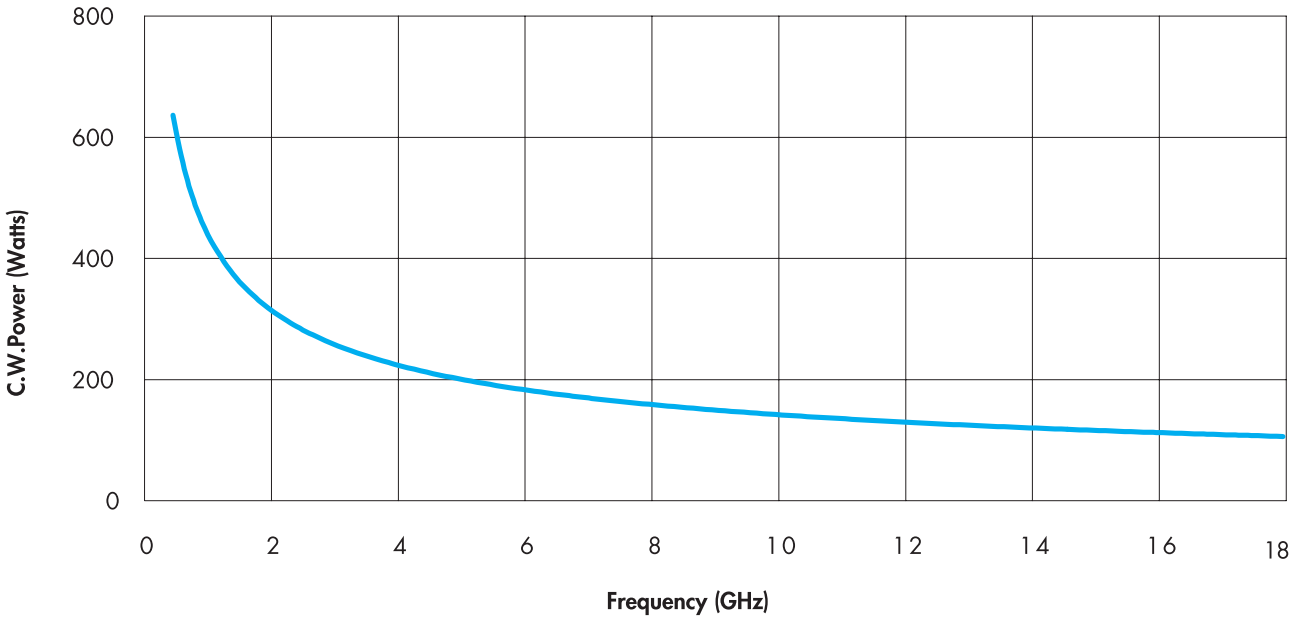
Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

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

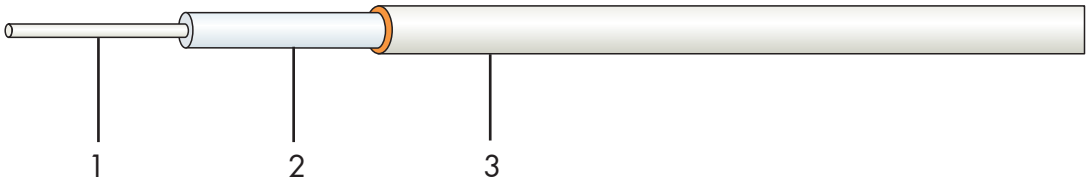


Back to main menu

SEMI RIGID EZ 141-AL-TP/M17 (M17/130-00009)

Order code 22810015

Cable design



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

Electrical cable data

Impedance					50 Ohm
Operating frequency					20 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* $\alpha_{25} = a \cdot \sqrt{f(GHz)} + b \cdot f(GHz)$ *(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

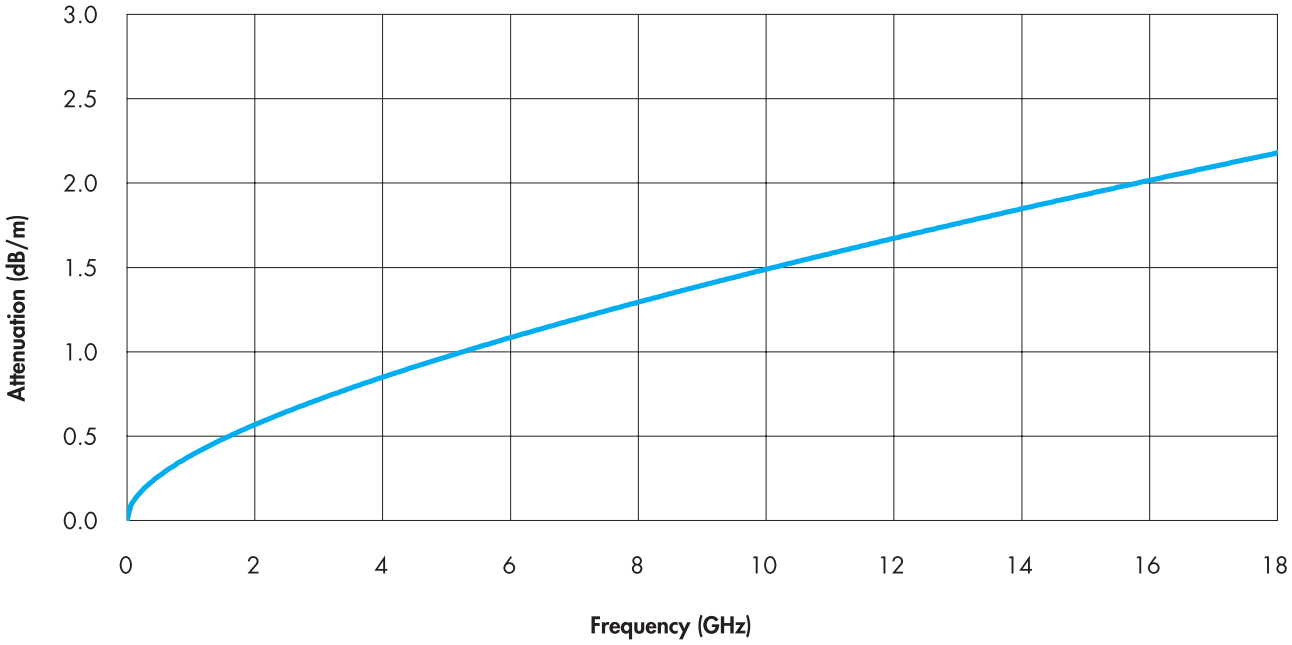
Suitable connectors

Cable group (please refer to pages 39 ff)	Y5

SEMI RIGID EZ 141-AL-TP/M17

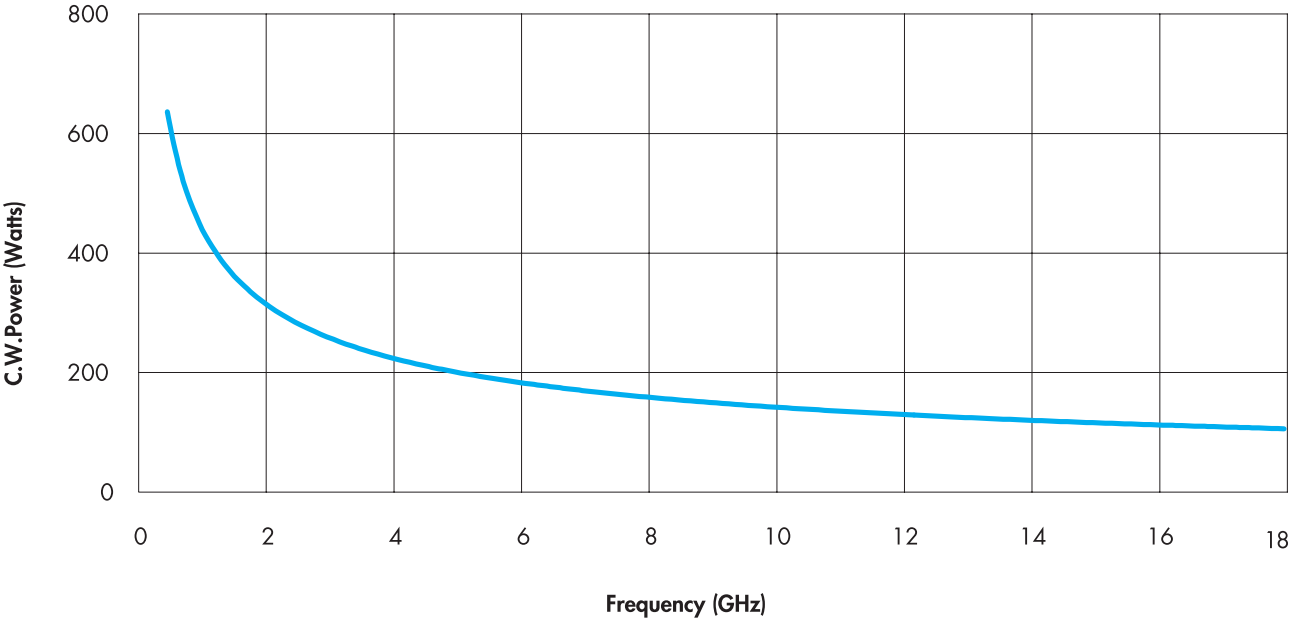
Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

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

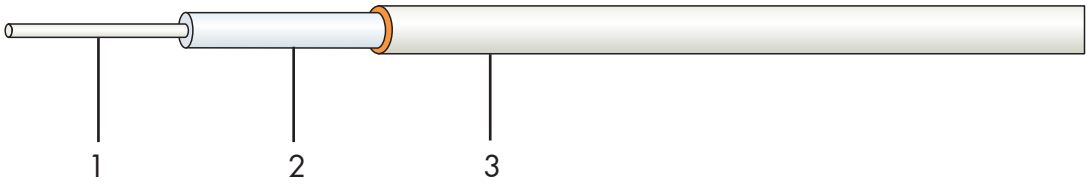


Back to main menu

SEMI RIGID EZ 250-TP/M17 (M17/129-00001)

Order code 22810705

Cable design



	Description	Material	Diameter
1. Centre conductor	Solid silver-plated copper wire	CuAg	1.63 mm
2. Dielectric	Solid PTFE	PTFE	5.31 mm
3. Outer conductor	Seamless copper tubing, tin-plated	Cu-TP	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	**0.18360**	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* $\alpha_{25} = a \cdot \sqrt{f(GHz)} + b \cdot f(GHz)$ *(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

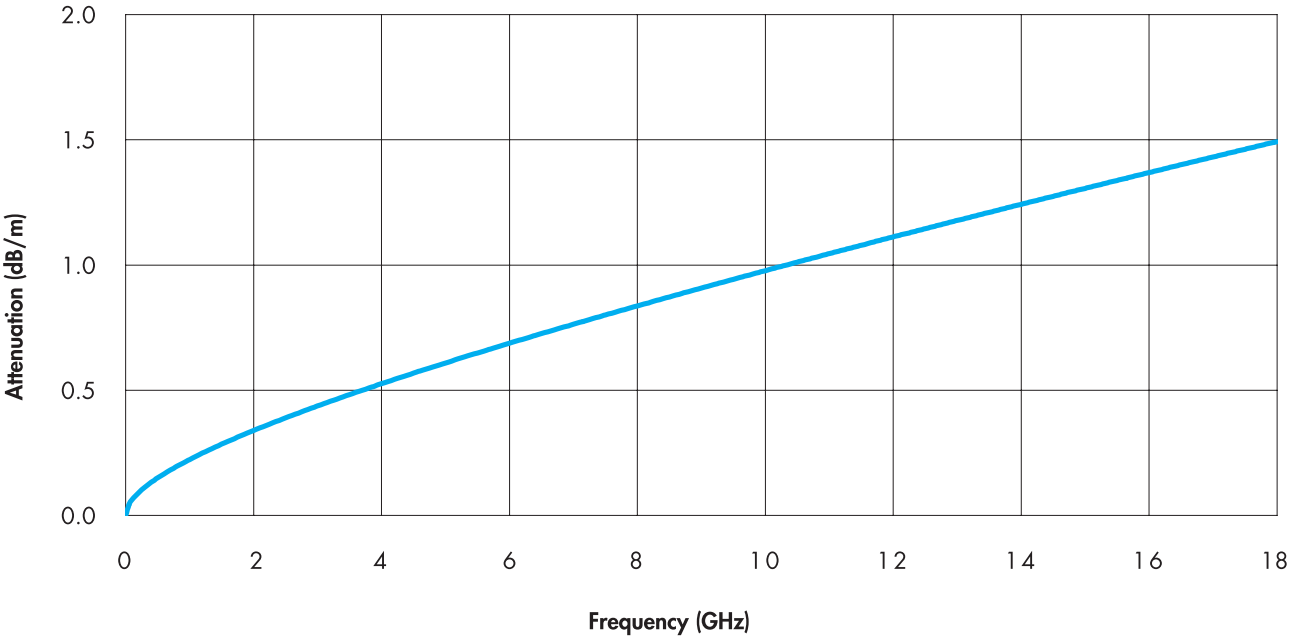
Suitable connectors

Cable group (please refer to pages 39 ff)	Y7

SEMI RIGID EZ 250-TP/M17

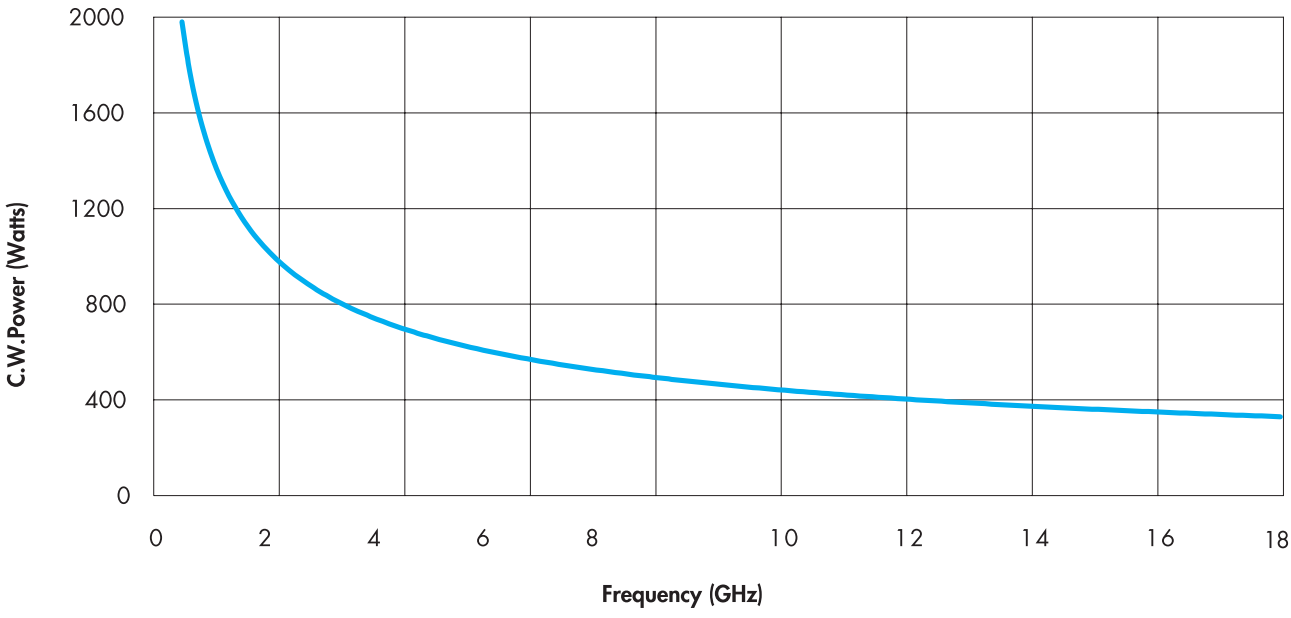
Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

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

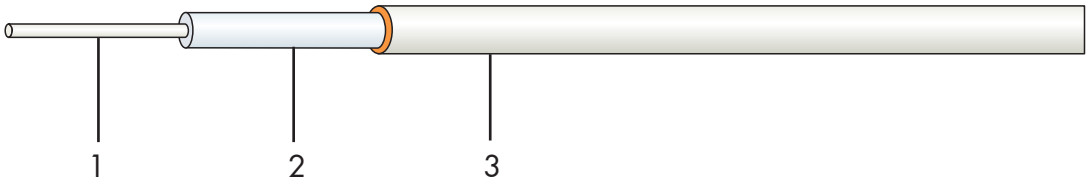


Back to main menu

SEMI RIGID EZ 250-AL-TP

Order code 22810708

Cable design



	Description	Material	Diameter
1. Centre conductor	Solid silver-plated copper wire	CuAg	1.63 mm
2. Dielectric	Solid PTFE	PTFE	5.31 mm
3. Outer conductor	Seamless aluminium tubing, tin-plated	Al-TP	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* $\alpha_{25} = a \cdot \sqrt{f}(GHz) + b \cdot f(GHz)$ *(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

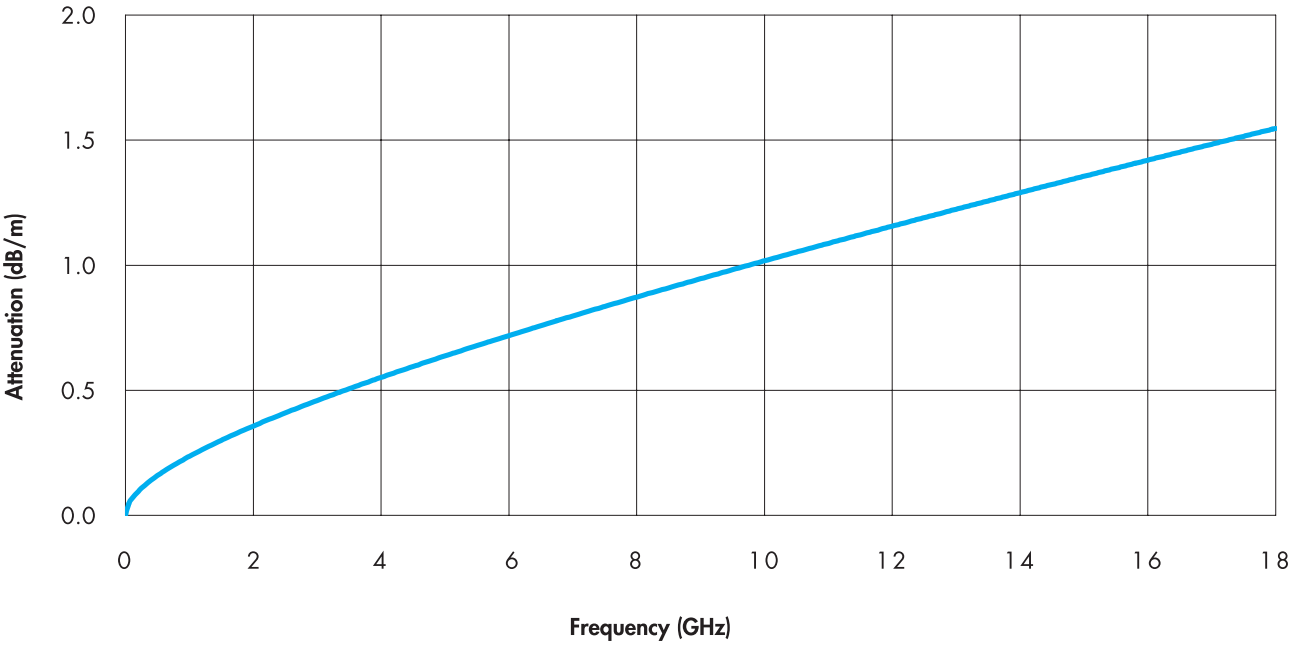
Suitable connectors

Cable group (please refer to pages 39 ff)	Y7

SEMI RIGID EZ 250-AL-TP

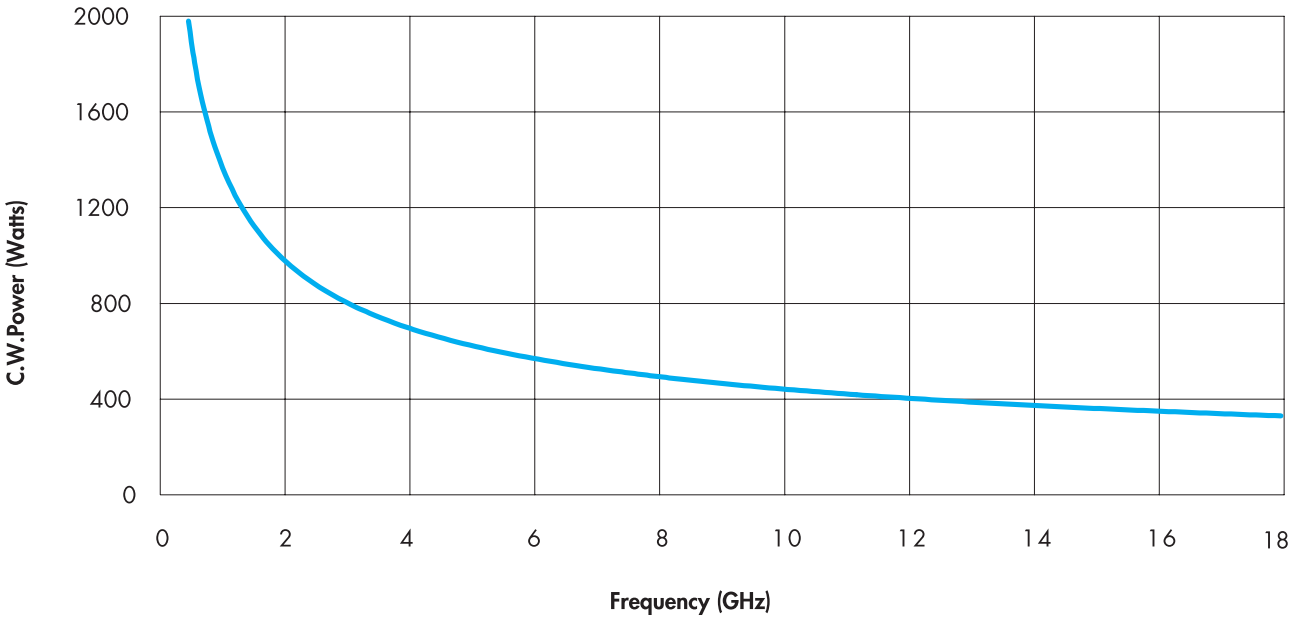
Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

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



Back to main menu

SEMI RIGID

Further available SEMI RIGID products

50 Ohm

SUHNER cable type	Order code	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

SUHNER cable type	Order code	Centre conductor	Outer conductor	Jacket material	Outer diameter (mm)	Nom. attenuation dB/m @ 1 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

SUHNER cable type	Order code	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 *Polytetrafluothylene*
LDPTFE *Low density polytetrafluorethylene*
PUR *Polyurethane*
LSFH *Flame retardant polyethylene, halogen free*
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

SUHNER cable type	Series Pattern	SUHNER connector type	Order code	Operating frequency (GHz)
EZ 47-TP/M17 **EZ 47-AL-TP**	**MCX**			
	Straight cable plug	11 MCX-50-1-3 / 111 NE	22640163	6.0
	Right angle cable plug	16 MCX-50-1-3 / 111 NH	22646085	6.0
	MMCX			
Cable group **Y2**	Straight cable plug	11 MMCX-50-1-3 / 111 OE	22648893	6.0
	Right angle cable plug	16 MMCX-50-1-4 / 111 OE	22649182	6.0
	SMA			
	Straight cable plug	11 SMA-50-1-2 / 111 NE	22642388	18.0
	Straight cable jack	21 SMA-50-1-2 / 111 NE	22642386	18.0
EZ 86-TP/M17 **EZ 86 AL-TP/M17**	**MCX**			
	Straight cable plug	11 MCX-50-2-4 / 111 NH	23027860	6.0
	Right angle cable plug	16 MCX-50-2-104 / 111 NH	22658277	6.0
	Straight panel bulkhead cable jack	24 MCX-50-2-3 / 111 NE	22543580	6.0
	MMCX			
	Straight cable plug	11 MMCX-50-2-1 / 111 OE	22645297	6.0
	Right angle cable plug	16 MMCX-50-2-1 / 111 OE	22645957	6.0
	Straight cable jack	21 MMCX-50-2-1 / 111 OE	22645290	6.0
	Straight panel bulkhead cable jack	24 MMCX-50-2-1 / 111 OE	22645954	6.0
	N			
	Straight cable plug	11 N-50-2-15 / 113 UE	22660315	18.0
Cable group **Y3**	Right angle cable plug	16 N-50-2-9 / 13- UH	23013729	11.0
	Straight cable jack	21 N-50-2-14 / 133 NE	22642666	18.0
	Straight panel bulkhead cable jack	24 N-50-2-14 / 133 NE	22544637	18.0
	PC3.5			
	Straight cable plug	11 PC35-50-2-2 / 199 UE	22644969	33.0
	Straight cable jack	21 PC35-50-2-2 / 199 UE	22644971	33.0
	Straight panel bulkhead cable jack	24 PC35-50-2-1 / 199 UE	22644523	33.0
	QMA			
	Straight cable plug	11 QMA-50-2-3 / 133 NE	23017704	6.0
	Right angle cable plug	16 QMA-50-2-3 / 133 NE	23017666	6.0
	Straight panel bulkhead cable jack	24 QMA-50-2-1 / 111 NE	23017742	6.0

Back to main menu

SEMI RIGID

Suitable connectors

SUHNER cable type	Series Pattern	SUHNER connector type	Order code	Operating frequency (GHz)
EZ 86-TP/M17	**SMA**			
EZ 86-AL-TP/M17	Straight cable plug	11 SMA-50-2-15 / 111NH	22645898	18.0
	Right angle cable plug	16 SMA-50-2-103 / 111 NH	22652924	18.0
	Straight cable jack	21 SMA-50-2-15 / 111 NH	22652141	18.0
	Straight panel bulkhead cable jack	24 SMA-50-2-15 / 111 NH	22645490	18.0
	SMB			
	Straight cable plug	11 SMB-50-2-13 / 111 NH	22658765	4.0
	Right angle cable plug	16 SMB-50-2-23 / 111 NE	22644079	4.0
	Straight cable jack	21 SMB-50-2-13 / 111 NE	22543425	4.0
	Straight panel bulkhead cable jack	24 SMB-50-2-13 / 111 NE	22640822	4.0
	SMC			
Cable group **Y3**	Straight cable plug	11 SMC-50-2-13 / 111 NH	22650675	10.0
	Right angle cable plug	16 SMC-50-2-25 / 111 NE	22644126	10.0
	Straight panel bulkhead cable jack	24 SMC-50-2-13 / 111 NH	22650209	10.0
	SMPX (GPO and SMP compatible)			
	Straight cable plug	11 SMPX-50-2-1 / 111 NE	23021825	40.0
	Right angle cable plug	16 SMPX-50-2-1 / 111 NE	23022715	40.0
	Right angle cable plug	16 SMPX-50-2-2 / 111 NE	23022716	40.0
	Straight panel cable jack, flange mount	25 SMPX-50-2-1 / 111 NE	23025359	40.0
	TNC			
	Straight cable plug	11 TNC-50-2-20 /103 NE	22642519	11.0
	Straight panel bulkhead cable jack	24 TNC-50-2-31 / 133 NE	23001721	11.0
EZ 118-TP	**SK** (K compatible)			
	Straight cable plug	11 SK-50-2-51 / 119 NE	22645972	40.0
Cable group **Y10**	Straight cable jack	21 SK-50-2-51 / 199 NE	22645973	40.0
	Straight panel bulkhead cable jack	24 SK-50-2-54 / 1.. NE	23011557	40.0
EZ 141-TP/M17	**N**			
EZ 141-AL-TP/M17	Straight cable plug	11 N-50-3-13 / 113 NE	22542083	18.0
	Straight cable plug	11 N-50-3-51 / 133 NE	22543919	18.0
	Right angle cable plug	16 N-50-3-15 / 133 NE	22648832	11.0
Cable group **Y5**	Straight cable jack	21 N-50-3-11 / 133 NE	22543921	12.4
	Straight cable jack	21 N-50-3-51 / 19- NE	22543922	18.0
	Straight panel bulkhead cable jack	24 N-50-3-14 / 133 NE	22542300	12.4
	Straight panel bulkhead cable jack	24 N-50-3-51 / 19- NE	22642344	18.0

SEMI RIGID

Suitable connectors

SUHNER cable type	Series Pattern	SUHNER connector type	Order code	Operating frequency (GHz)
EZ 141-TP/M17	**PC3.5**			
EZ 141-AL-TP/M17	Straight cable plug	11 PC35-50-3-2 / 199 UE	22644968	33.0
	Straight cable jack	21 PC35-50-3-2 / 199 UE	22644970	33.0
	Straight panel bulkhead cable jack	24 PC35-50-3-1 / 199 UE	22644522	33.0
	QMA			
	Straight cable plug	11 QMA-50-3-3 / 133 NE	23017695	6.0
	Right angle cable plug	16 QMA-50-3-3 / 133 NE	23017693	6.0
	Straight panel bulkhead cable jack	24 QMA-50-3-3 / 111 NE	23017683	6.0
Cable group **Y5**				
	SMA			
	Straight cable plug	11 SMA-50-3-15 / 111 NH	22651601	18.0
	Right angle cable plug	16 SMA-50-3-3 / 111 NH	22646569	18.0
	Straight panel bulkhead cable jack	24 SMA-50-3-15/ 111 NH	22645259	18.0
	TNC			
	Straight cable plug	11 TNC-50-3-29 / 103 NE	22641997	11.0
	Straight panel bulkhead cable jack	24 TNC-50-3-30 / 133 NH	23001723	11.0
EZ 250-TP/M17	**716**			
EZ 250-AL-TP	Straight cable plug	11 716-50-5-3 / 003 -E	22652135	7.5
	N			
	Straight cable plug	11 N-50-5-39 / 133 NE	22642481	18.0
Cable group **Y7**	Straight cable jack	21 N-50-5-52 / 193 NE	22641531	18.0
	SMA			
	Straight cable plug	11 SMA-50-5-2 / 199 NE	22643253	18.0
	Straight cable jack	21 SMA-50-5-2 / 199 NE	22643643	18.0

Connector dimensions and additional information

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