

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

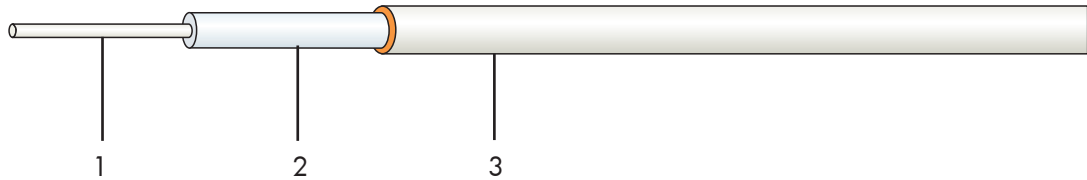
- Excellent electrical performance: impedance tolerance as low as 0.5 Ohm; minimum VSWR, smooth attenuation vs. frequency curve; minimum change in impedance and attenuation
- Easy to form, strip and solder, making for convenient installation
- Small sizes permit use in high-density areas
- MIL-C-17 qualified

| 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 | 9.53 | 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 |

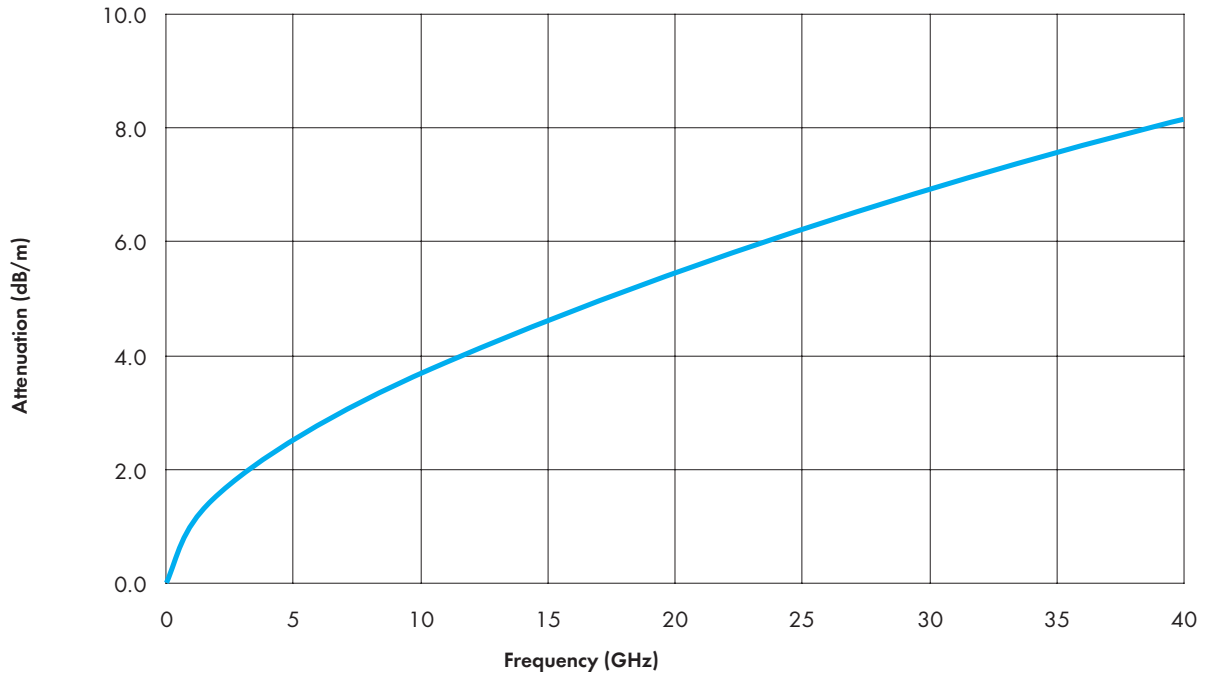
Suitable connectors

| | |
|---|----|
| Cable group (please refer to pages 39 ff) | Y2 |
|---|----|

SEMI-RIGID EZ_47_TP_M17

Cable attenuation

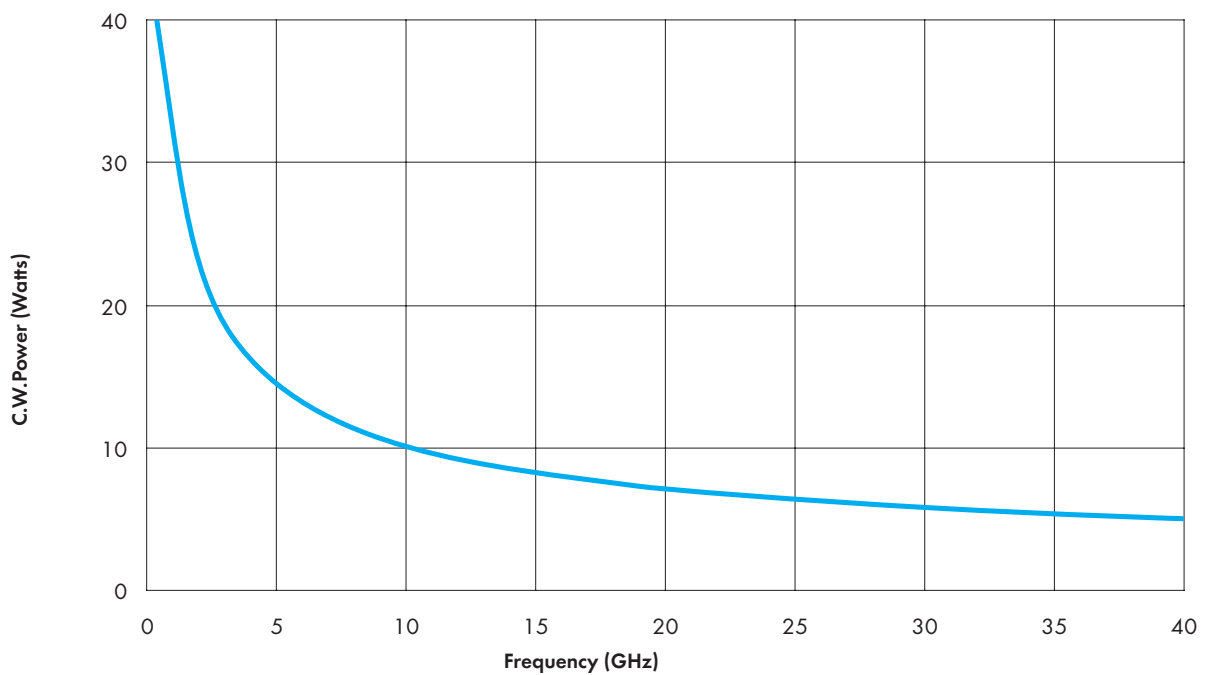
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

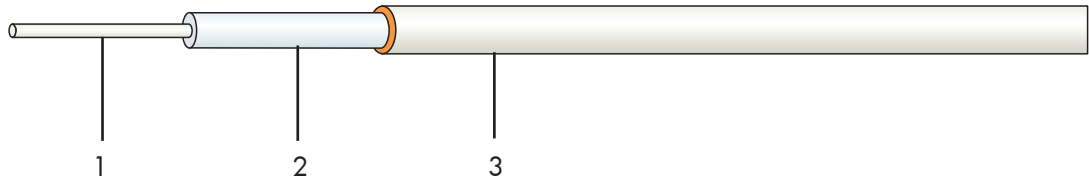
Maximum values @ +40 °C ambient temperature and sea level



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 |

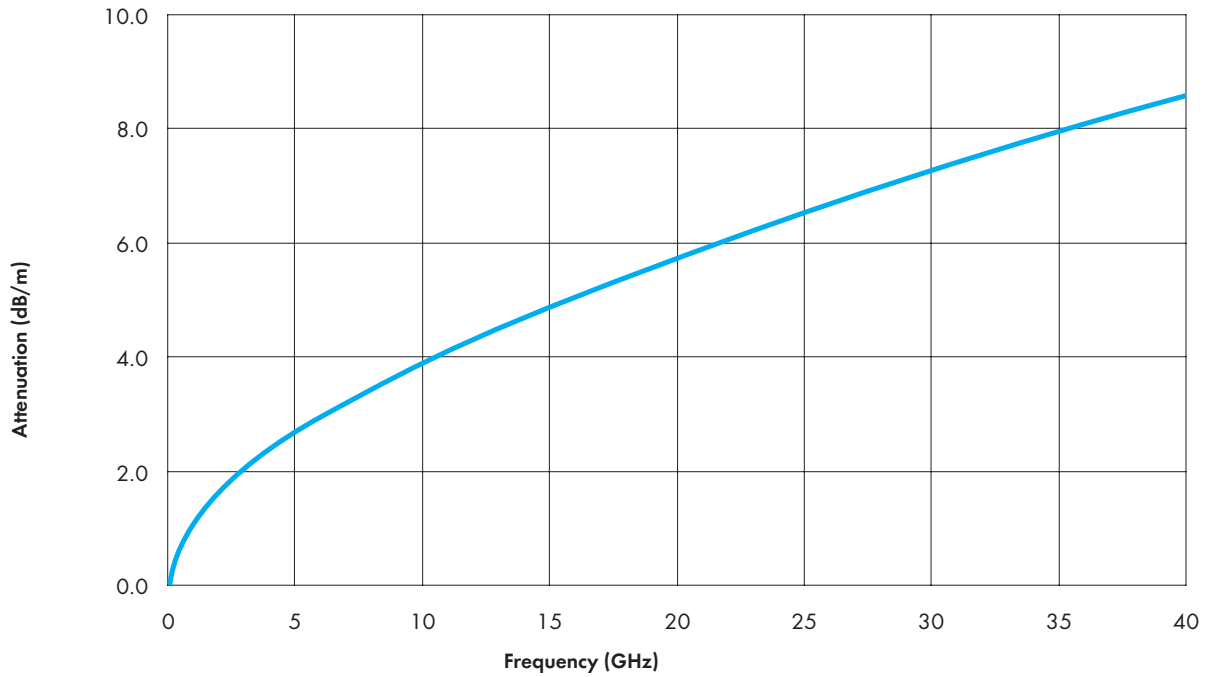
Suitable connectors

| | |
|---|----|
| Cable group (please refer to pages 39 ff) | Y2 |
|---|----|

SEMI-RIGID EZ_47_AL_TP

Cable attenuation

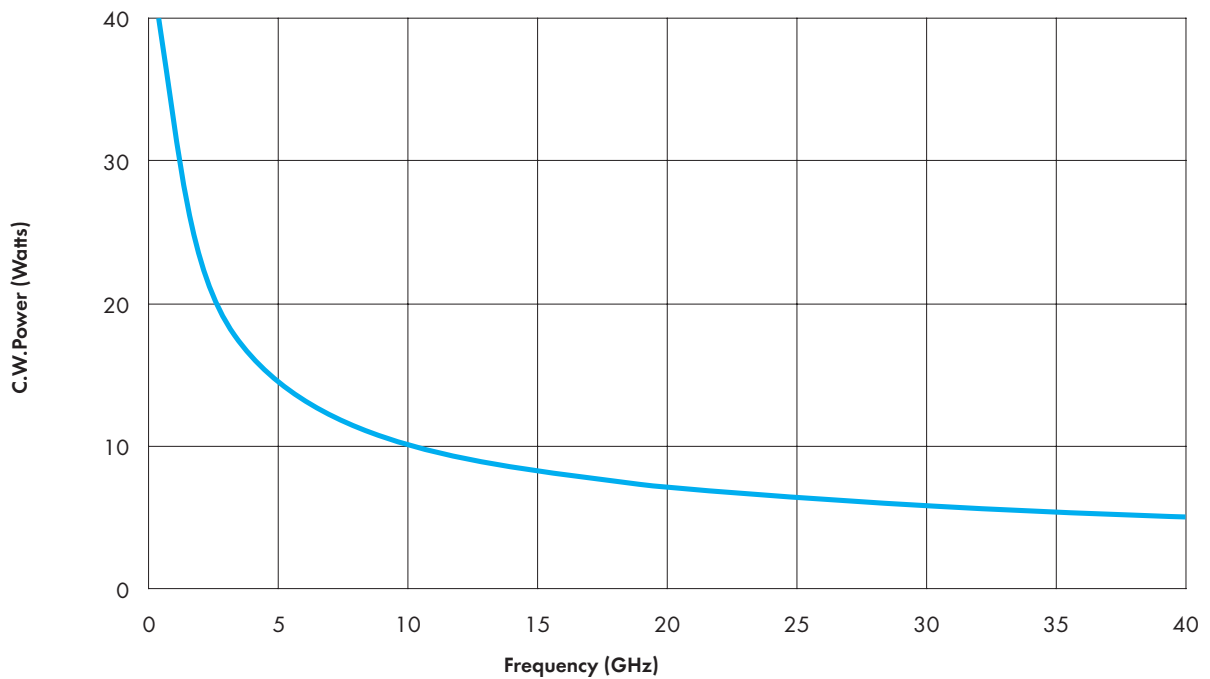
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

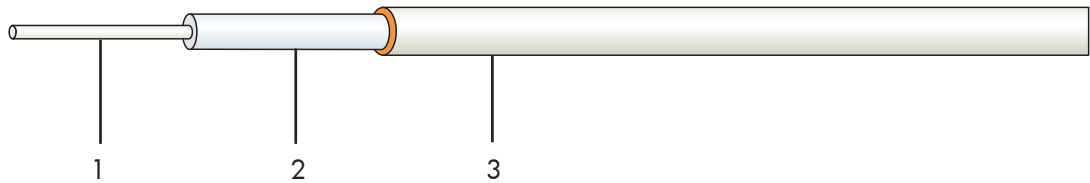
Maximum values @ +40 °C ambient temperature and sea level



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 $a_{25} = a \cdot \sqrt{f}(\text{GHz}) + b \cdot f(\text{GHz})$ (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 |

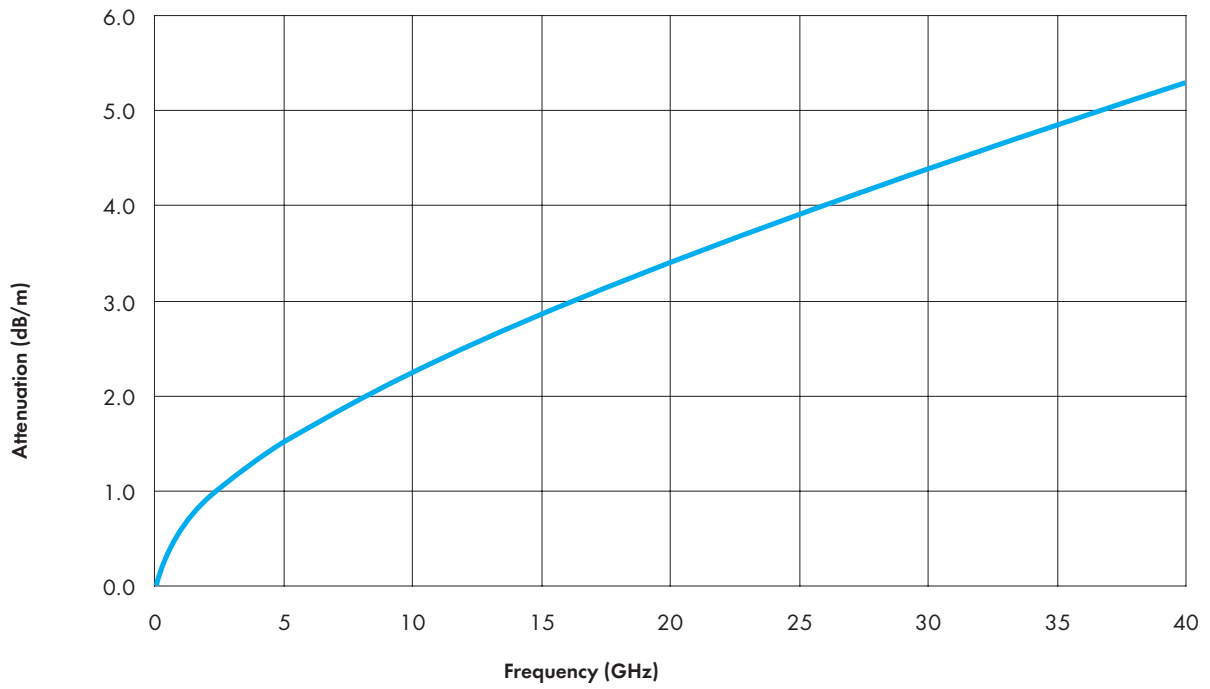
Suitable Connectors

| | |
|---|----|
| Cable group (please refer to pages 39 ff) | Y3 |
|---|----|

SEMI-RIGID EZ_86_TP_M17

Cable attenuation

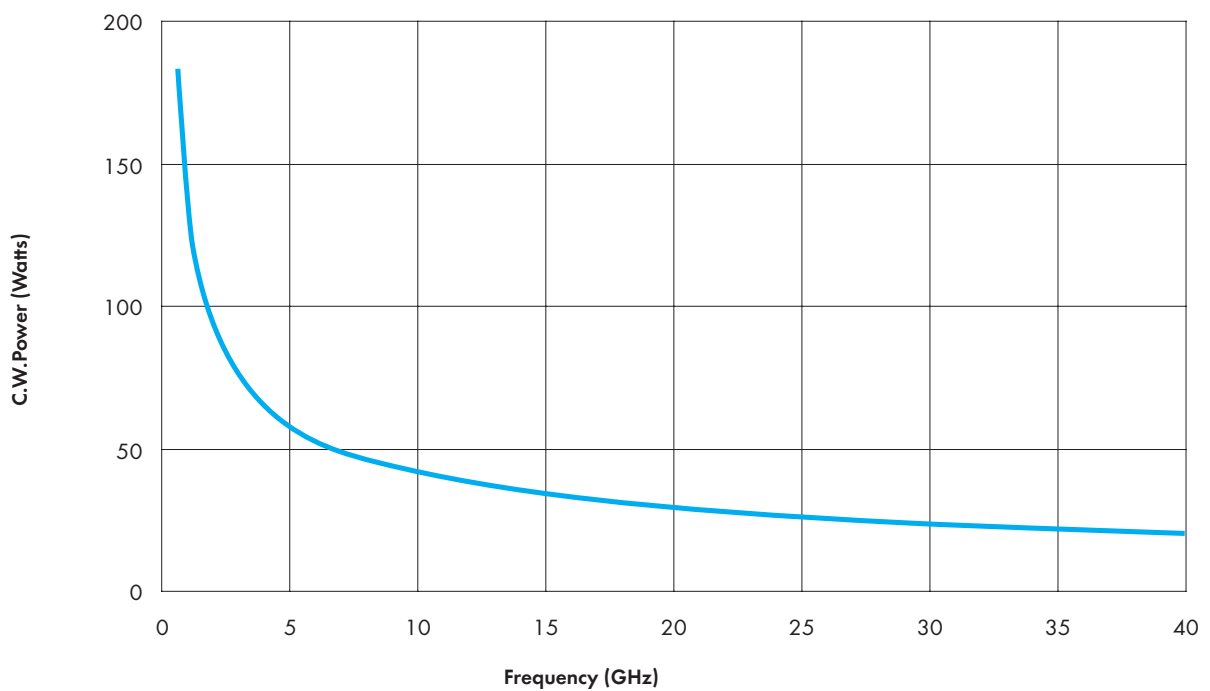
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

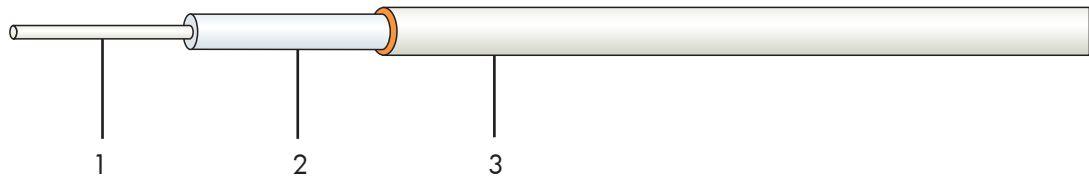
Maximum values @ +40 °C ambient temperature and sea level



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 $a_{25} = a \cdot \sqrt{f}(\text{GHz}) + b \cdot f(\text{GHz})$ (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 |

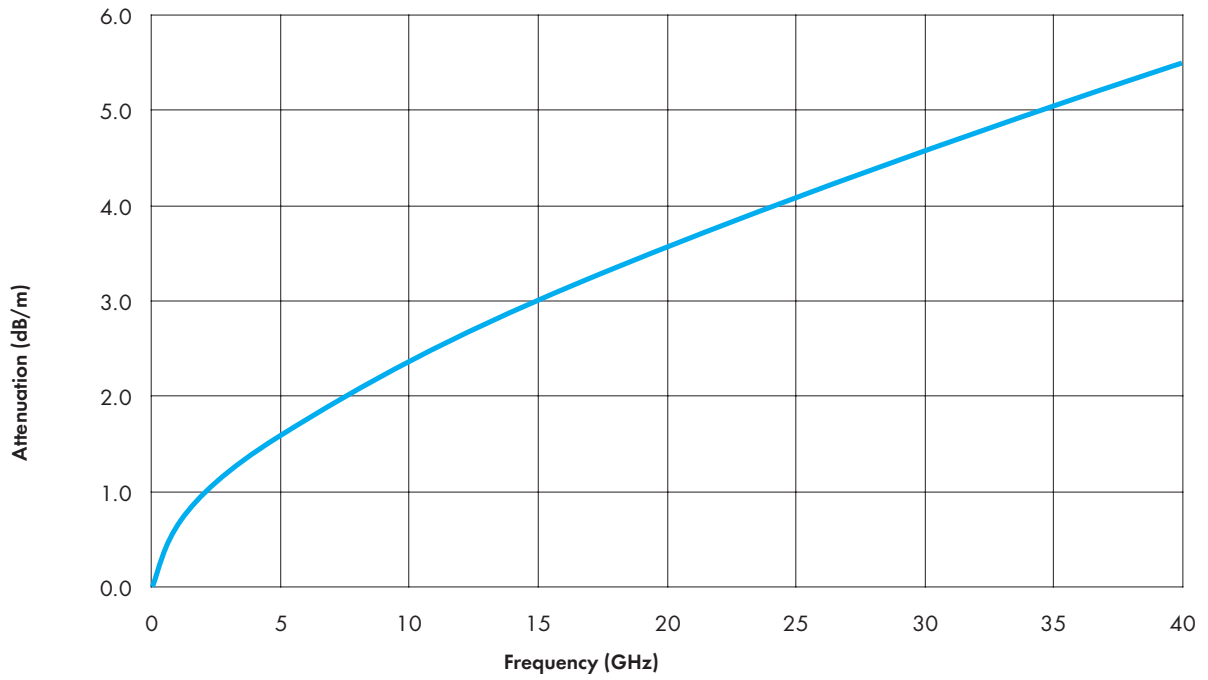
Suitable connectors

| | |
|---|----|
| Cable group (please refer to pages 39 ff) | Y3 |
|---|----|

SEMI-RIGID EZ_86_AL_TP_M17

Cable attenuation

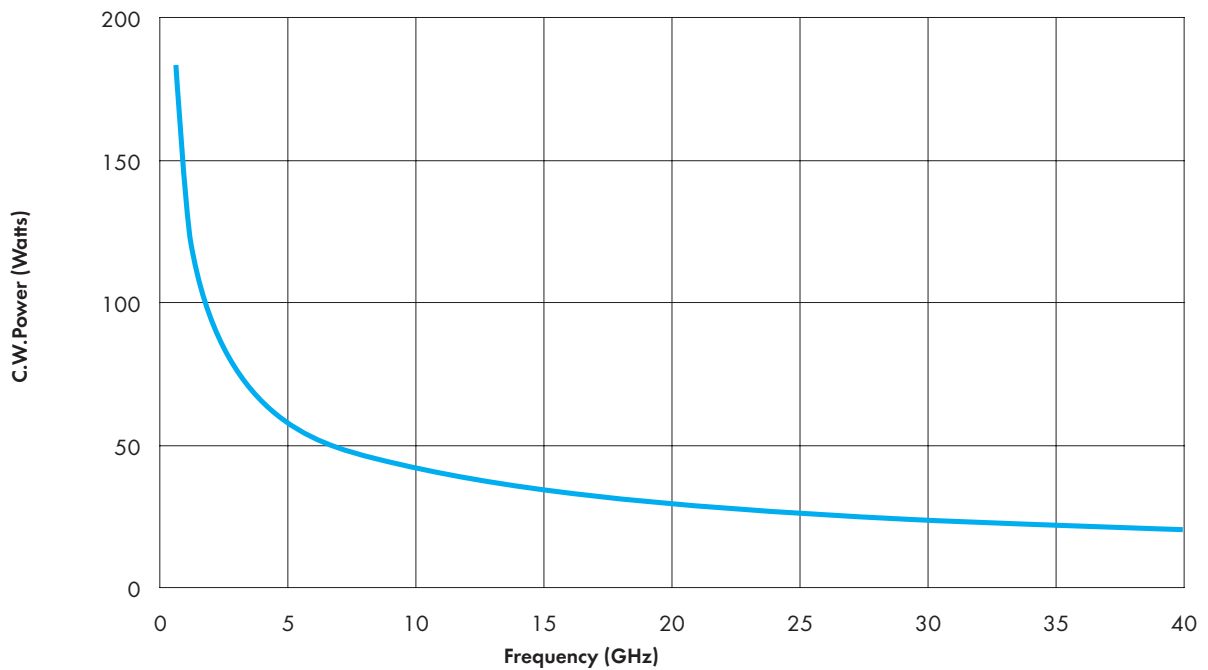
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

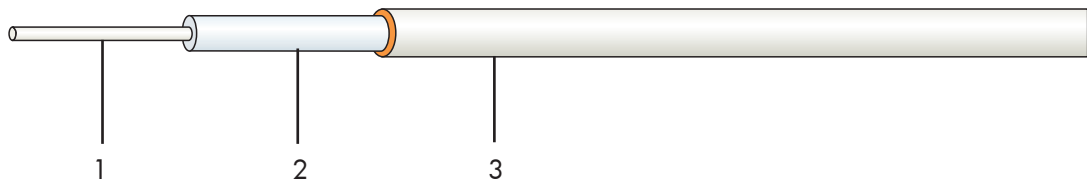
Maximum values @ +40 °C ambient temperature and sea level



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 $a_{25} = a \cdot \sqrt{f}(\text{GHz}) + b \cdot f(\text{GHz})$ (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 |

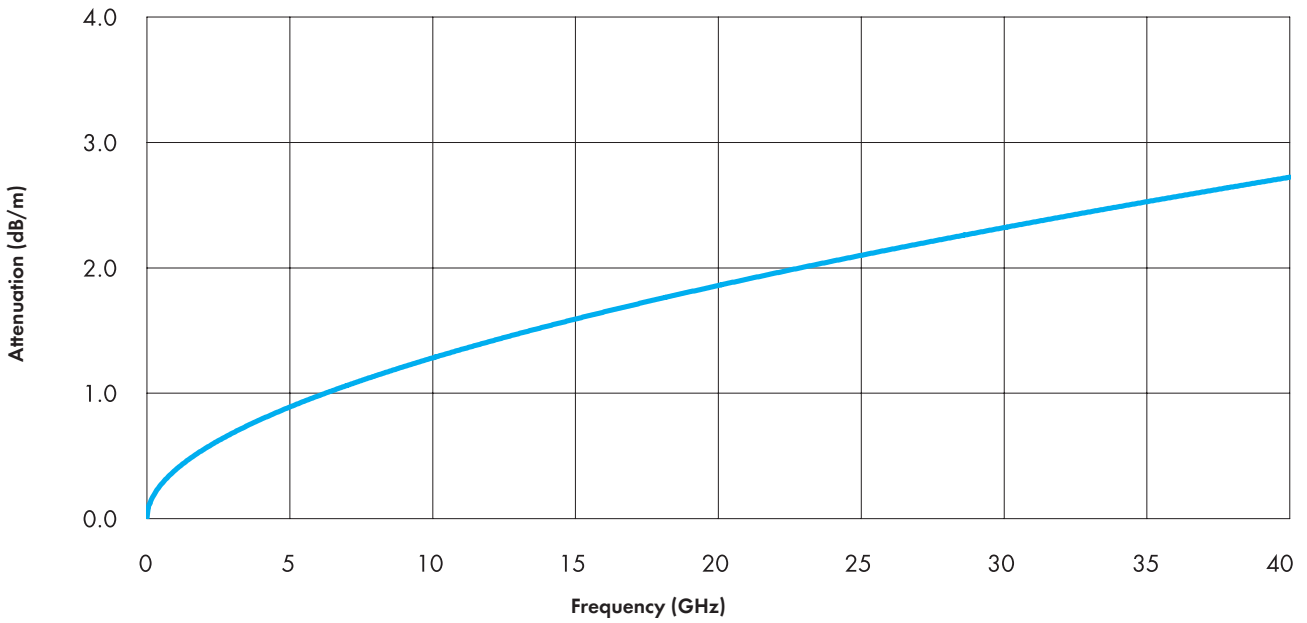
Suitable connectors

| | |
|---|-----|
| Cable group (please refer to pages 39 ff) | Y10 |
|---|-----|

SEMI-RIGID EZ_118_TP

Cable attenuation

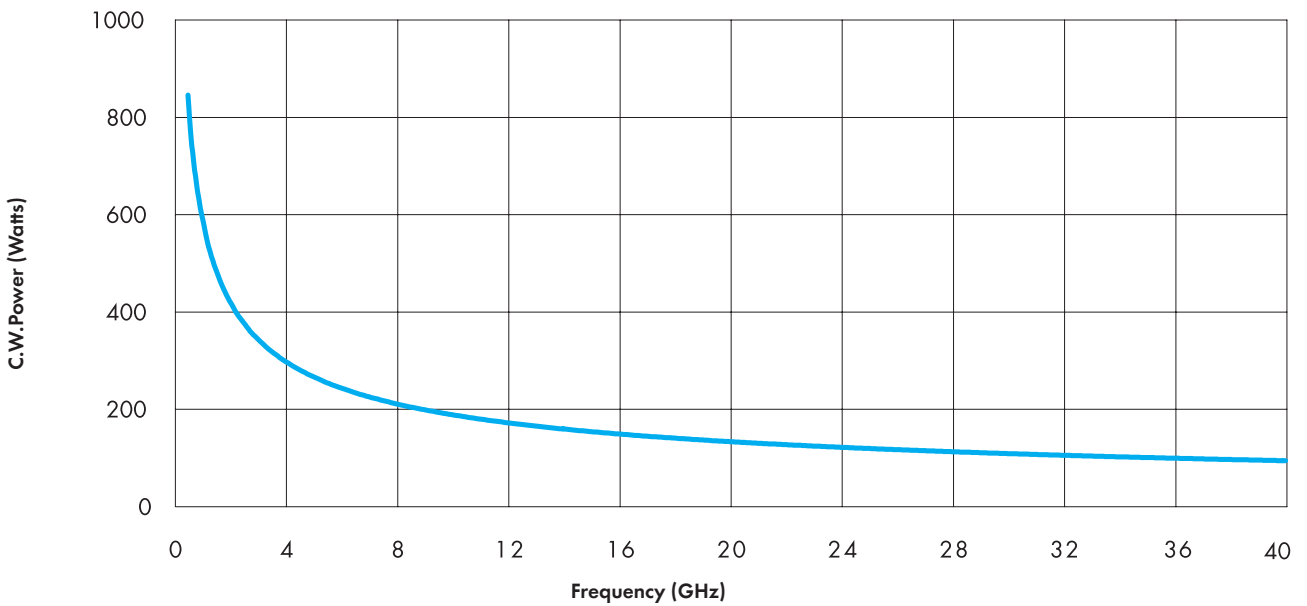
Nominal values @ +25 °C ambient temperature



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 $a_{25} = a \cdot \sqrt{f}(\text{GHz}) + b \cdot f(\text{GHz})$ (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 |

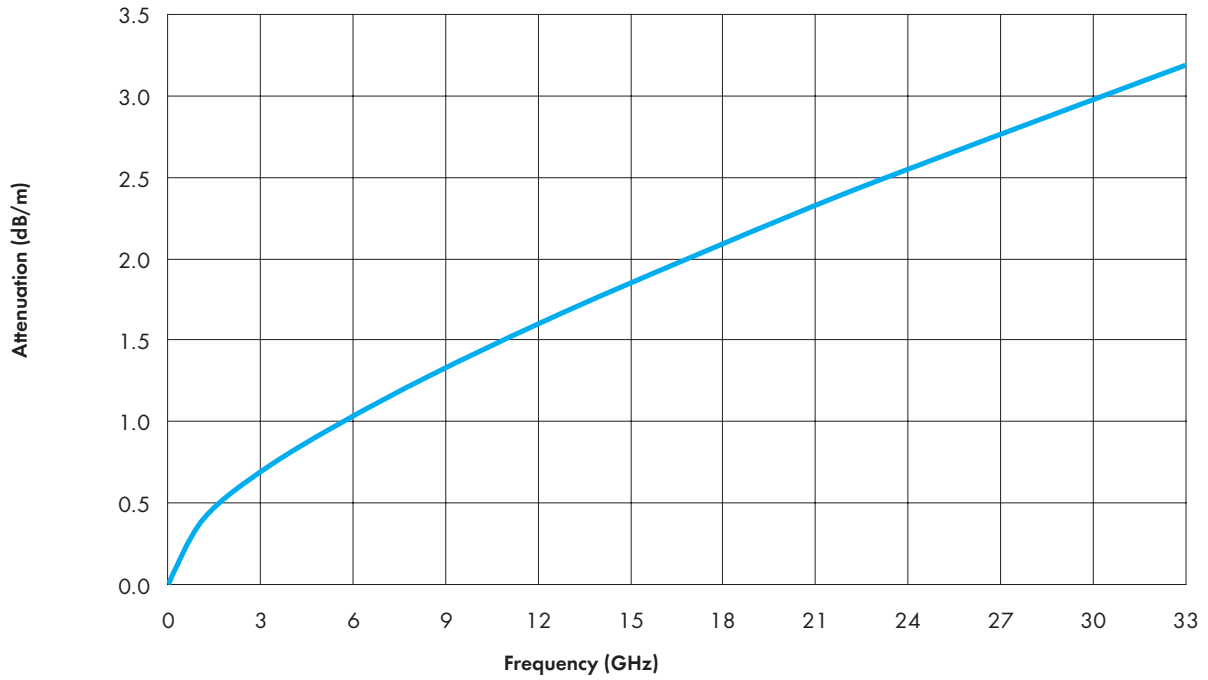
Suitable connectors

| | |
|---|----|
| Cable group (please refer to pages 39 ff) | Y5 |
|---|----|

SEMI-RIGID EZ_141_TP_M17

Cable attenuation

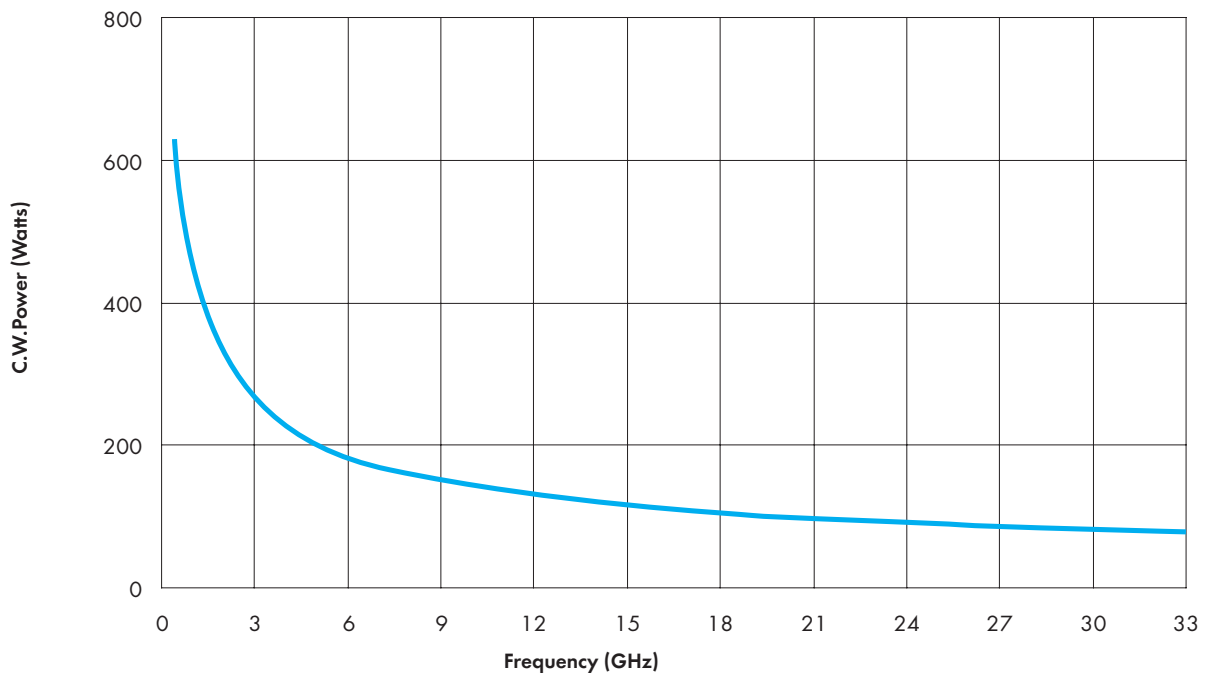
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

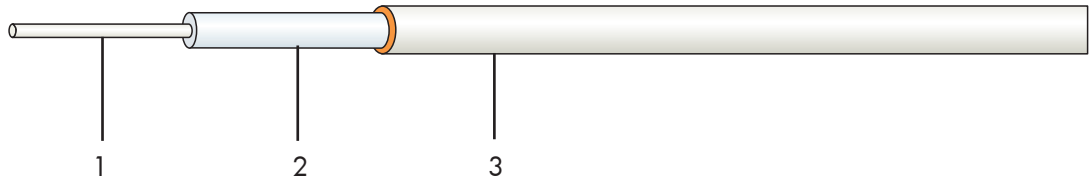
Maximum values @ +40 °C ambient temperature and sea level



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 $a_{25} = a \cdot \sqrt{f}(\text{GHz}) + b \cdot f(\text{GHz})$ (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 |

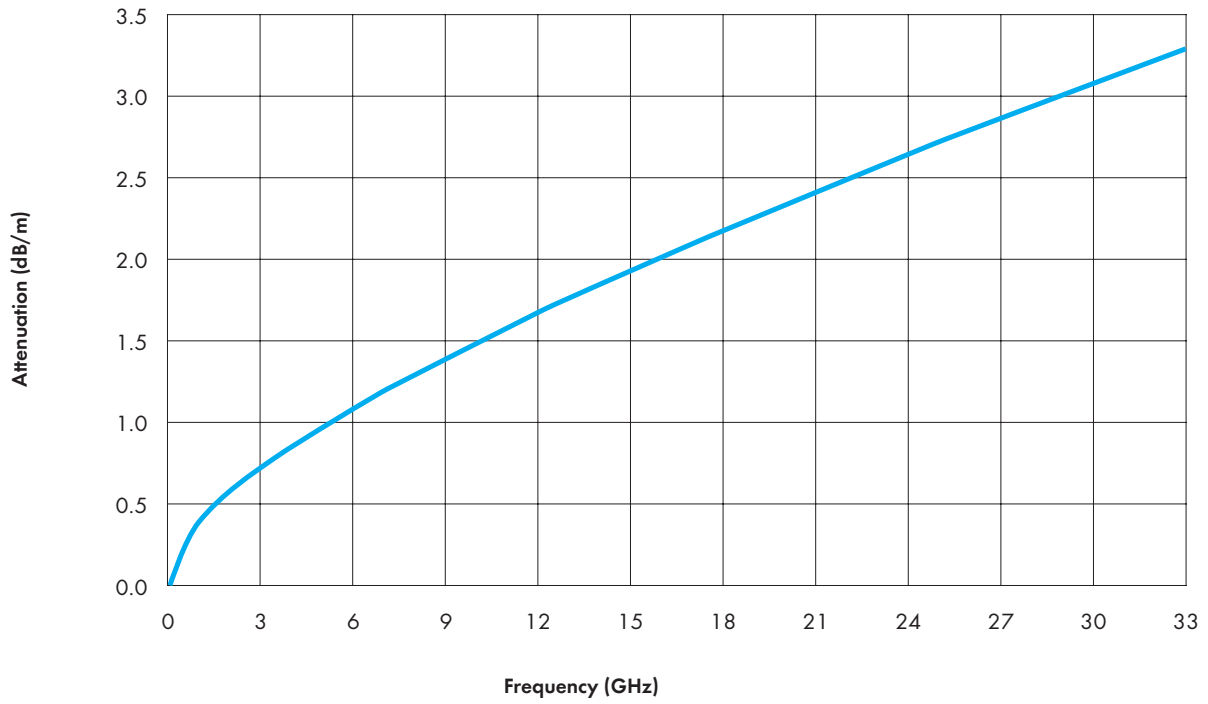
Suitable connectors

| | |
|---|----|
| Cable group (please refer to pages 39 ff) | Y5 |
|---|----|

SEMI-RIGID EZ_141_AL_TP_M17

Cable attenuation

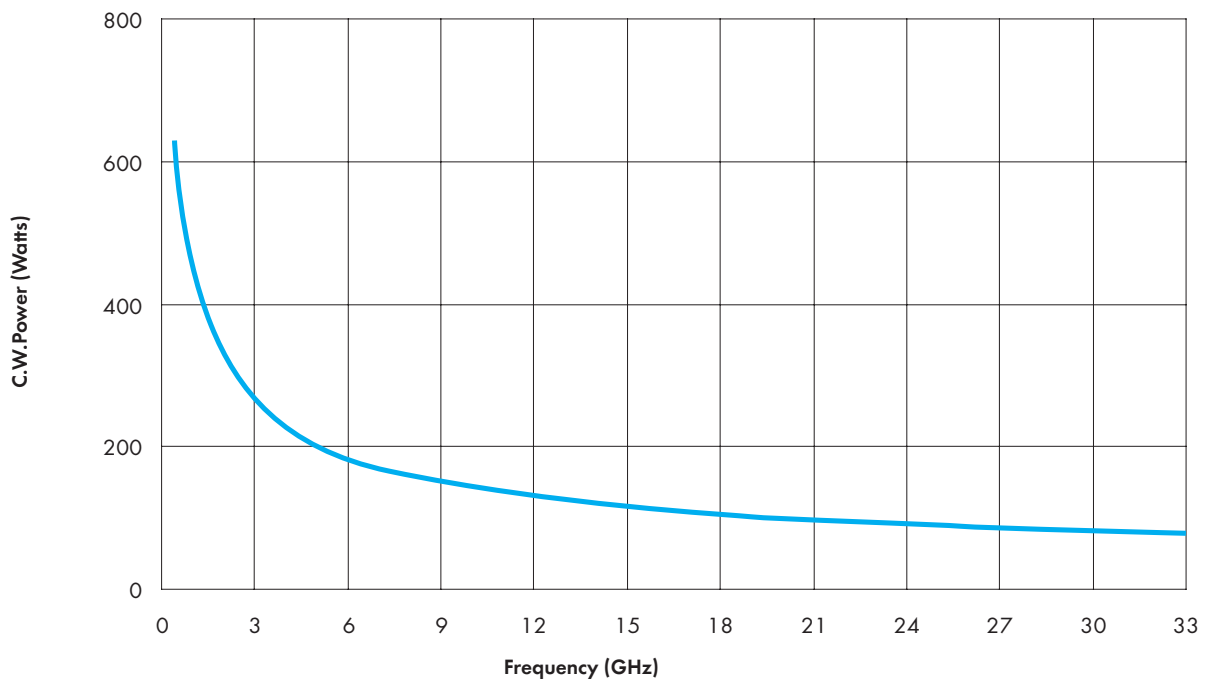
Nominal values @ +25 °C ambient temperature



SEMI-RIGID

Power handling

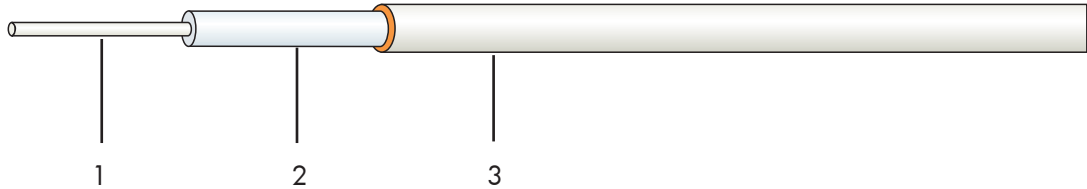
Maximum values @ +40 °C ambient temperature and sea level



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 $a_{25} = a \cdot \sqrt{f}(\text{GHz}) + b \cdot f(\text{GHz})$ (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 |

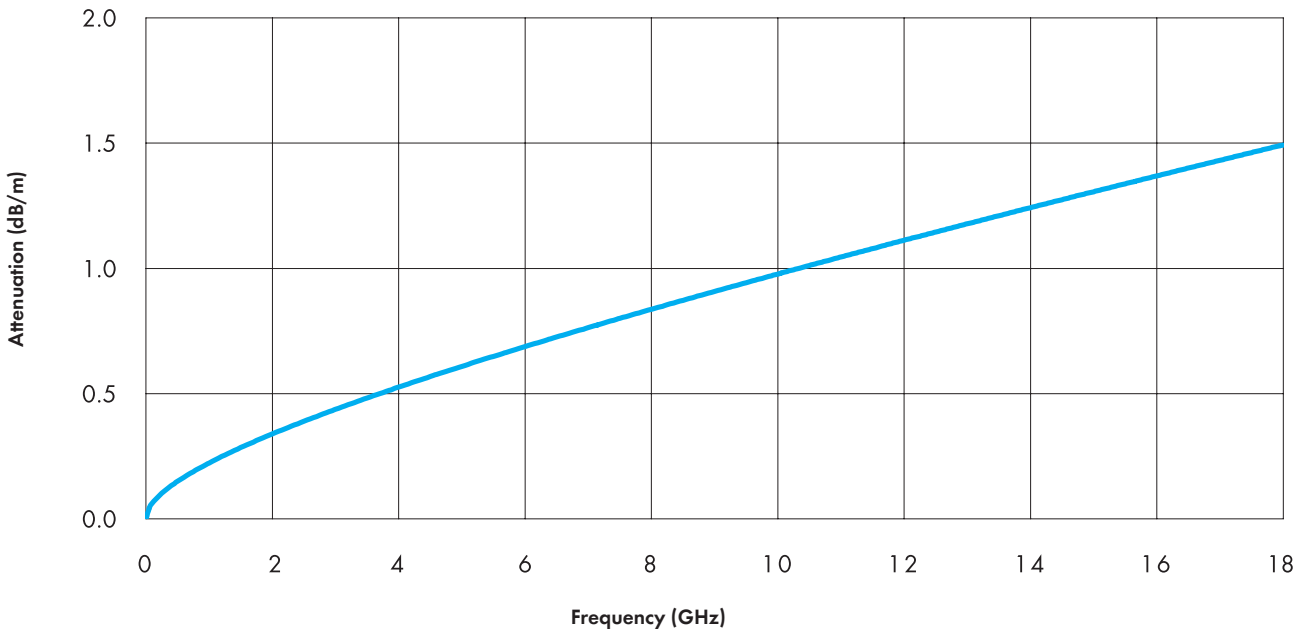
Suitable connectors

| | |
|---|----|
| Cable group (please refer to pages 39 ff) | Y7 |
|---|----|

SEMI RIGID EZ_250_TP_M17

Cable attenuation

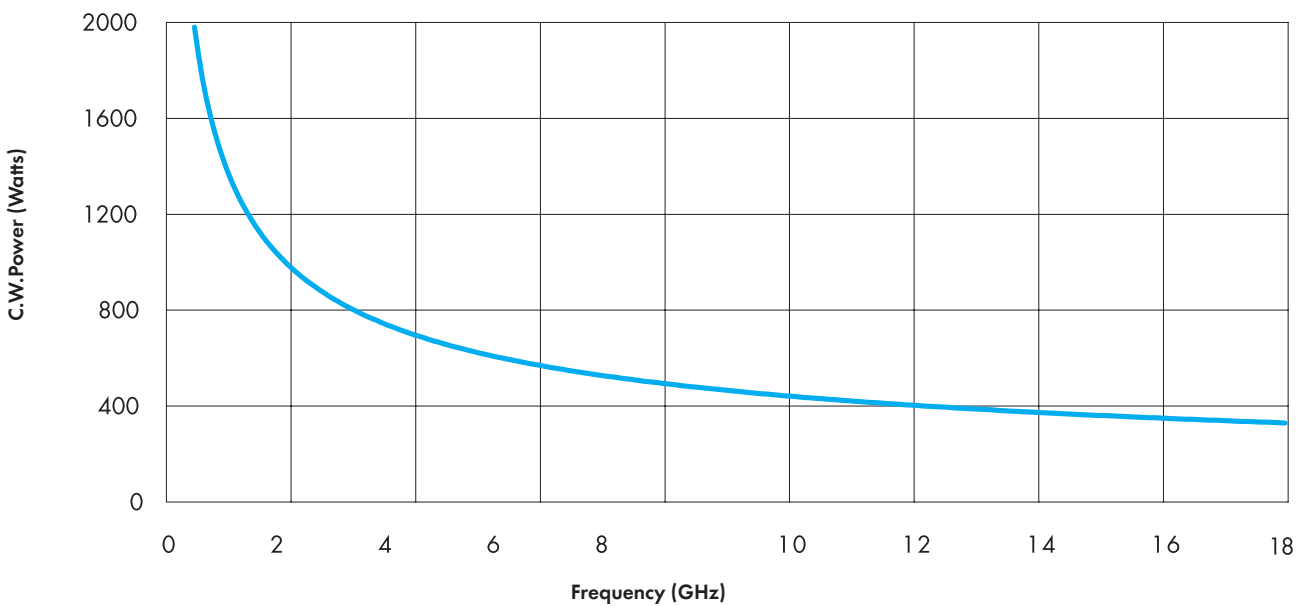
Nominal values @ +25 °C ambient temperature



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 |

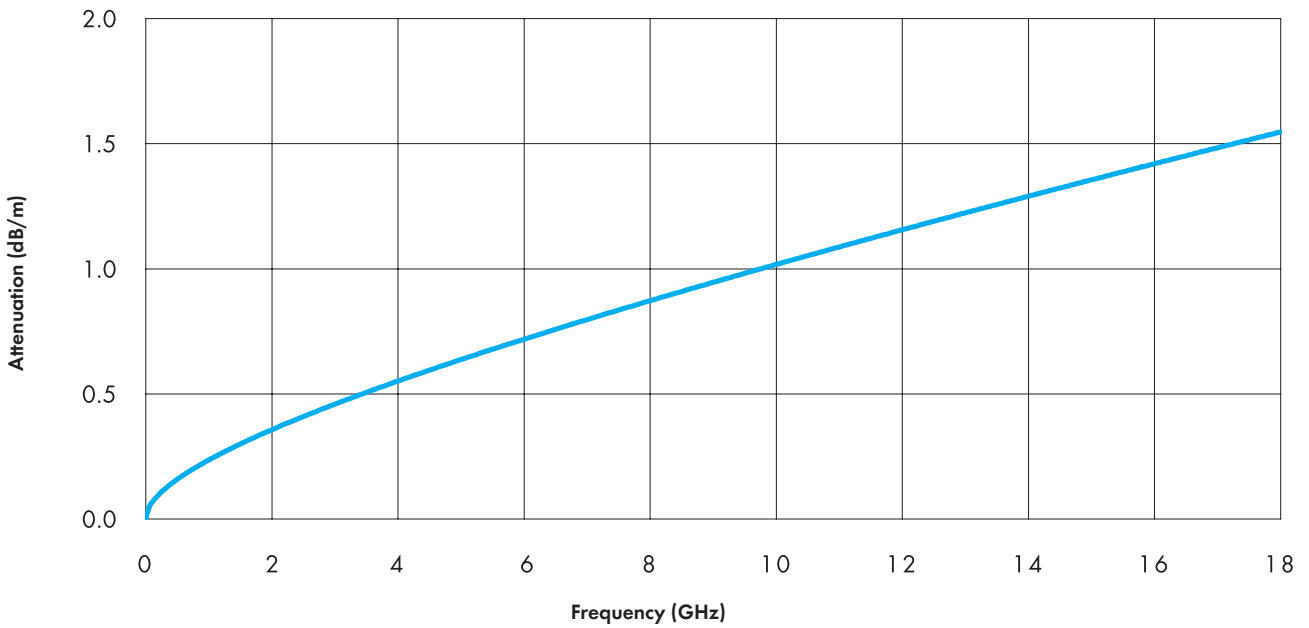
Suitable connectors

| | |
|---|----|
| Cable group (please refer to pages 39 ff) | Y7 |
|---|----|

SEMI RIGID EZ_250_AL_TP

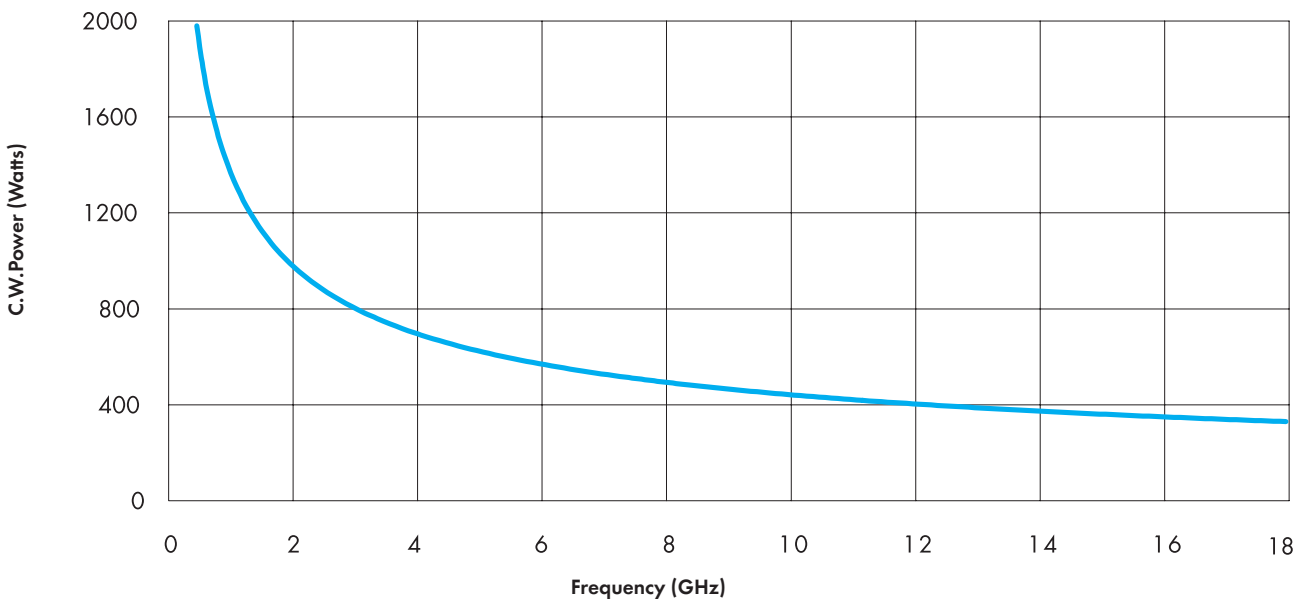
Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

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



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.

| | | | |
|---------------|--|---------------|---|
| <i>CuAg</i> | <i>Silver plated copper</i> | <i>PE</i> | <i>Polyethylene</i> |
| <i>StCuAG</i> | <i>Silver plated copper clad steel</i> | <i>SPE</i> | <i>Foam polyethylene</i> |
| <i>CuSn</i> | <i>Tin soaked copper braid</i> | <i>PTFE</i> | <i>Polytetrafluethylene</i> |
| <i>Cu</i> | <i>Seamless copper tubing</i> | <i>LDPTFE</i> | <i>Low density polytetrafluorethylene</i> |
| <i>Cu-TP</i> | <i>Seamless copper tubing, tin-plated</i> | <i>PUR</i> | <i>Polyurethane</i> |
| <i>Al-TP</i> | <i>Seamless aluminium tubing, tin-plated</i> | <i>LSFH</i> | <i>Low Smoke Free of Halogen polyethylene</i> |
| <i>M17</i> | <i>Qualified to MIL-C-17</i> | <i>FEP</i> | <i>Fluoroethylenepropylene copolymer</i> |

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 | 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 | 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 |

SEMI-RIGID

Suitable connectors

| HUBER+SUHNER cable type | Series, pattern | HUBER+SUHNER connector type | Item no. | Operating frequency (GHz) |
|-------------------------|---|-----------------------------|----------|---------------------------|
| | 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 |
| EZ_86_TP_M17 | Straight panel bulkhead cable jack | 24_QMA-50-2-1/111_NE | 23017742 | 6 |
| EZ_86_AL_TP_M17 | Straight panel bulkhead cable jack | 24_QMA-50-2-1/111_NH | 23017743 | 6 |
| | | | | |
| Cable group Y3 | 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 |

SEMI-RIGID

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 | 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 |
| | 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 Cable group Y10 | 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 |
| | Straight panel bulkhead cable jack | 24_SK-50-2-54/1..NE | 23011557 | 40 |
| EZ_141_TP_M17 EZ_141_AL_TP_M17 Cable group Y5 | 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 |
| | Straight panel cable jack, flange mount | 25_N-50-3-9/133_NE | 22543952 | 11 |
| | 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 | |

SEMI-RIGID

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.