

Flexiform®

Type: Flexiform 402

The Reformable Alternative
to Semi-Rigid Coaxial Cables

Engineering data

Cable design

Centre conductor silver-plated copper-clad steel wire
Dielectric solid extruded PTFE
Outer conductor tin-soaked copper braid, Coverage 100%

Electrical data

Impedance 50 Ohms
Capacitance 94 pF/m
Velocity of signal propagation 70%
Signal delay 4,8 ns/m
Working voltage, maximum 2500V RMS
Attenuation, nominal see graph right
Power, nominal see graph right
Suitable for frequencies up to 20 GHz
Shielding effectiveness typically <130 dB/m

General data

Flammability, passes IEC 60 332-3
Minimum bend radius
 single bend 10mm
 multiple bends 40mm

Connectors

Connector as semi-rigid M17/130-RG402

Additional information

Flexiform 402 (Standard):

Jacket none
OD 3,6mm
Weight, nominal 44kg/km
Operating temperature -40 to +165°C

Flexiform 402 FJ

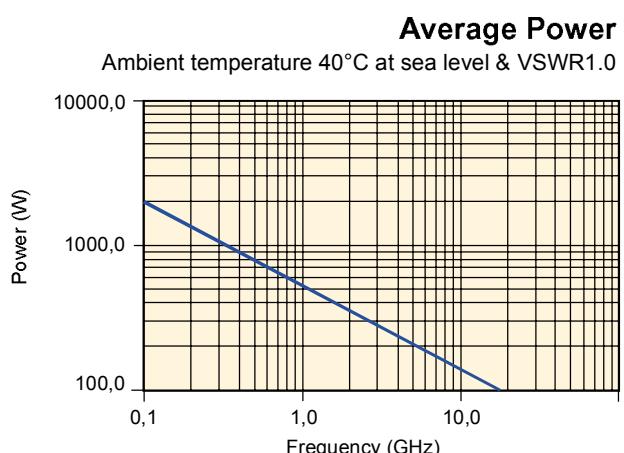
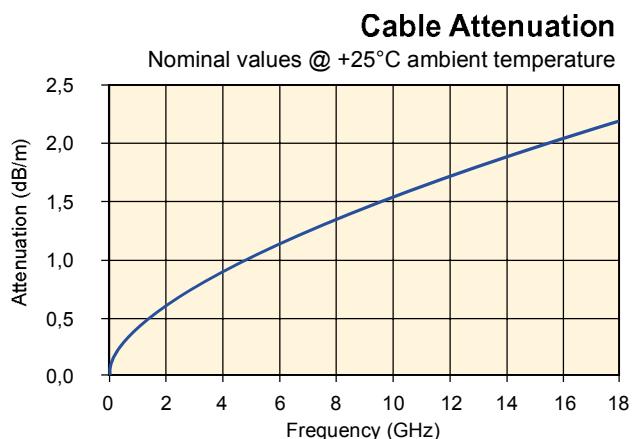
Jacket FEP, Blue
OD 4,1mm
Weight, nominal 52kg/km
Operating temperature -40 to +165°C

Flexiform 402 HFJ

Jacket halogen-free, flame-retardent, Blue
OD 4,6mm
Weight, nominal 53kg/km
Operating temperature -30 to +80°C

Delivered on standard spools in long lengths, giving less waste than semi-rigids.

Note: All figures are nominal unless otherwise specified



Custom design

All MIL types of coaxial cables can be manufactured using the Flexiform method or process.

Flexiform can be manufactured with a non-magnetic SPC conductor and with a copper foil under the braid.

Other impedance versions available on request.

Different types of outer jacket are also available.
Please ask for details.

For even better performance, all Flexiform types can be manufactured with an extra copper foil under the braid.

Flexiform®

The Reformable Alternative
to Semi-Rigid Coaxial Cables

Type:
Flexiform 405

Engineering data

Cable design

Centre conductor silver-plated copper-clad steel wire
Dielectric solid extruded PTFE
Outer conductor tin-soaked copper braid, Coverage 100%

Electrical data

Impedance 50 Ohms
Capacitance 94 pF/m
Velocity of signal propagation 70%
Signal delay 4,8 ns/m
Working voltage, maximum 1500V RMS
Attenuation, nominal see graph right
Power, nominal see graph right
Suitable for frequencies up to 20 GHz
Shielding effectiveness typically <-130 dB/m

General data

Flammability, passes IEC 60 332-3
Minimum bend radius
 single bend 6mm
 multiple bends 25mm

Connectors

Connector as semi-rigid M17/133-RG405

Additional information

Flexiform 405 (Standard):

Jacket none
OD 2,2mm
Weight, nominal 15kg/km
Operating temperature -40 to +165°C

Flexiform 405 FJ

Jacket FEP, Blue
OD 2,6mm
Weight, nominal 18kg/km
Operating temperature -40 to +165°C

Flexiform 405 HFJ

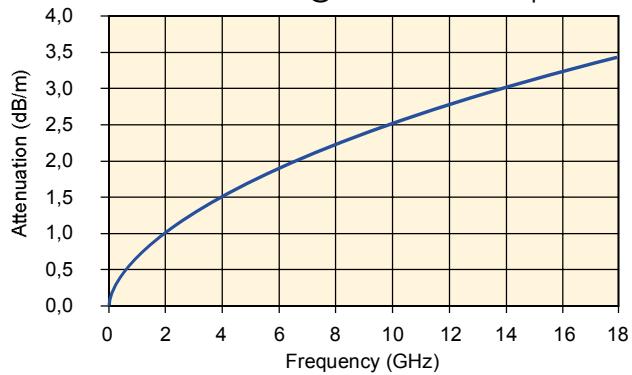
Jacket halogen-free, flame-retardant, Blue
OD 3,2mm
Weight, nominal 21kg/km
Operating temperature -30 to +80°C

Delivered on standard spools in long lengths, giving less waste than semi-rigids.

Note: All figures are nominal unless otherwise specified

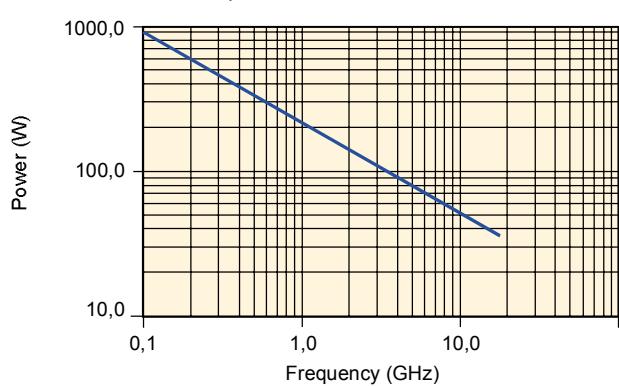
Cable Attenuation

Nominal values @ +25°C ambient temperature



Average Power

Ambient temperature 40°C at sea level & VSWR1.0



Custom design

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Different types of outer jacket are also available.
Please ask for details.

For even better performance, all Flexiform types can be manufactured with an extra copper foil under the braid.

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