

Type: Multibend 402

The Flexible Alternative
to Semi-Rigid Coaxial Cables

Engineering data

Cable design

Centre conductor silver-plated copper-clad steel wire
Dielectric solid extruded PTFE
Outer conductor spiral strip of silver plated copper
..... & round wire silver plated copper braid, coverage 100%
Jacket material FEP, Flame-retardent, Blue

Electrical data

Impedance 50 Ohms
Capacitance 94 pF/m
Velocity of signal propagation 70%
Signal delay 4,8 ns/m
Working voltage, maximum 1900V RMS
Attenuation, nominal see graph right
Power, nominal see graph right
Suitable for frequencies up to 20 GHz
Shielding effectiveness typically <-100 dB/m

General data

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

Connectors

Connector as semi-rigid M17/130-RG402

Additional information

Multibend 402 FJ (Standard):

Jacket FEP, Blue
OD 4,1mm
Weight, nominal 43kg/km
Operating temperature -55 to +165°C

Multibend 402 HFJ

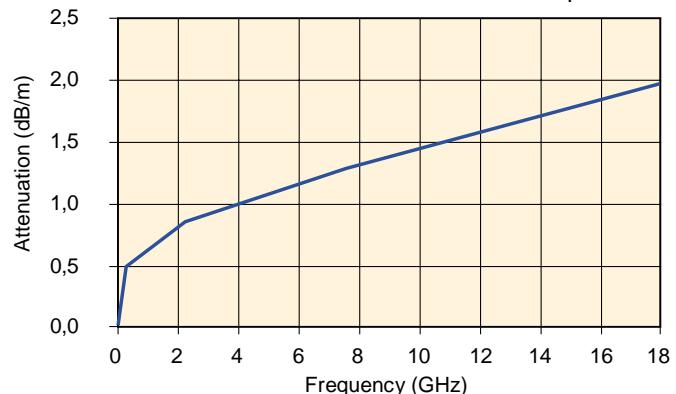
Jacket halogen-free, flame-retardent, Blue
OD 4,6mm
Weight, nominal 46kg/km
Operating temperature -30 to +80°C

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

Note: All figures are nominal unless otherwise specified

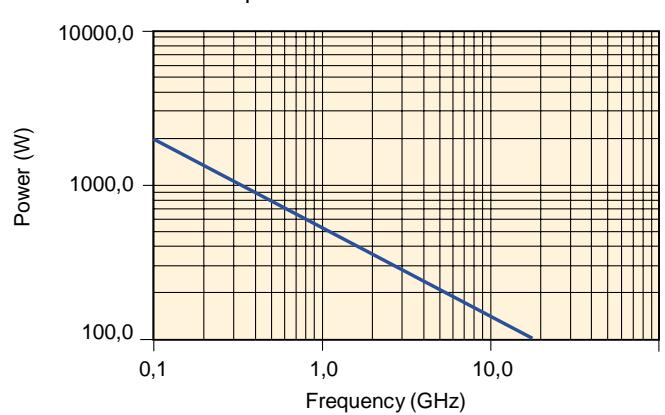
Cable Attenuation

Nominal values @ +25°C ambient temperature



Average Power

Ambient temperature 40°C at sea level & VSWR 1.0



Custom design

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

Multibend can be manufactured with a non-magnetic SPC conductor if required.

We can also manufacture a completely halogen-free version.

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

A completely halogen-free version is available for all types.

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