

Multibend®

The Flexible Alternative
to Semi-Rigid Coaxial Cables

Type:
Multibend 401

Engineering data

Cable design

Centre conductor silver-plated copper wire, non magnetic
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 3000V 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 40mm
multiple bends 80mm

Connectors

Connector as semi-rigid M17/129-RG401

Additional information

Multibend 401 FJ (Standard):

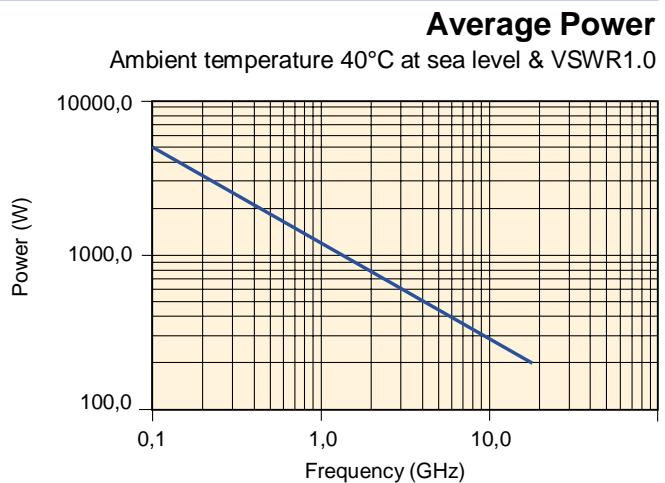
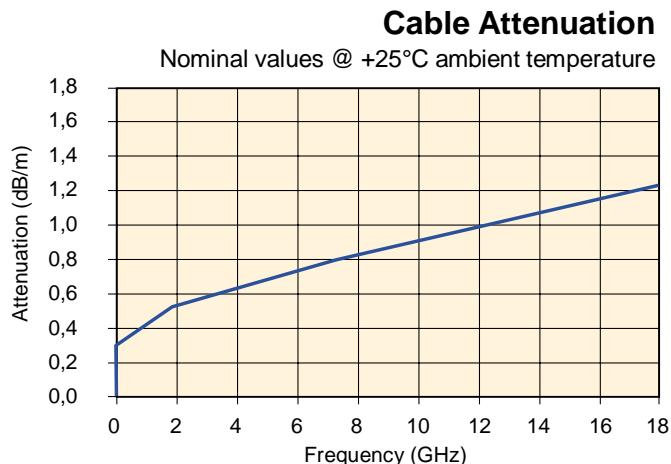
Jacket FEP, Blue
OD 7,2mm
Weight, nominal 130kg/km
Operating temperature -55 to +165°C

Multibend 401 HFJ

Jacket halogen-free, flame-retardent, Blue
OD 7,6mm
Weight, nominal 130kg/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 Multibend method or process.

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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