

Multibend[®] 402 FJ

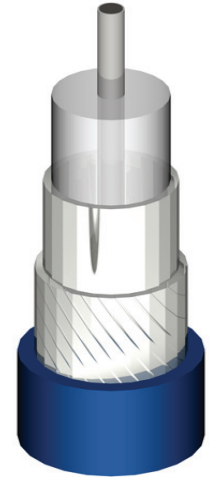
Flexible Re-formable Coaxial

Alternatives:

Alternative jacket colours
and materials also
available

Construction:

Conductor	Silver plated copper covered steel (1x0,92)	0,92
Dielectric	Solid PTFE	2,99
Tape	Silver plated copper	3,15
Braid	Silver plated copper	3,58
Jacket	FEP, Blue	4,14
Weight	40 kg/km	
Temperature rating (°C)	-65 / +165°C	
Order reference	32000-402-01	



Notes:

All dimensions nominal ($\pm 4\%$)
unless otherwise stated.
All dimensions in mm.

Electrical:

Impedance	50 $\pm$ 2 Ohms
Capacitance	96 pF/m
Velocity of signal propagation	70 %
Signal delay	4,8 ns/m
Working voltage, AC r.m.s.	1900 max
Working voltage, DC	3800 max
Attenuation, typical values (nominal values at an air temperature of +20°C)	see table
Power, typical values (ambient temperature of 40°C at sea level and VSWR 1.0)	see table
Suitable for frequencies	up to 18 GHz
Shielding effectiveness	typically -100 dB/m

Attenuation	
MHz	dB/100m
400	26
1000	42
1800	57
2000	60
2400	66
3000	75
5000	100
10000	147
18000	210

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 10mm
Minimum bend radius (MBR) dynamic use	multiple bends: 40mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Smoke generation	passes IEC 61034-2
Connectors	As semi-rigid M17/130-RG402

Average Power	
MHz	W
400	515
1000	315
1800	230
2000	218
2400	199
3000	177
5000	136
10000	91
18000	62

Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice.

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Approved by: