

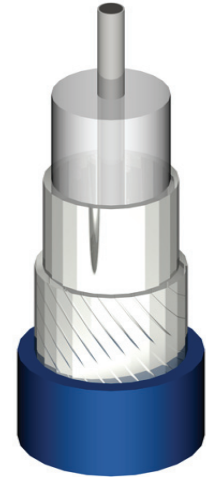
Multibend[®] 405 FJ Flexible Re-formable Coaxial

Alternatives:

Alternative jacket colours and materials also available

Construction:

Conductor	Silver plated copper covered steel (1x0,51)	0,51
Dielectric	Solid PTFE	1,63
Tape	Silver plated copper	1,88
Braid	Silver plated copper	2,18
Jacket	FEP, Blue	2,64
Weight	21 kg/km	
Temperature rating (°C)	-65 / +165°C	
Order reference	32000-405-01	



Notes:

All dimensions nominal (± 4%) unless otherwise stated.
All dimensions in mm.

Electrical:

Impedance	50 ± 1,5 Ohms
Capacitance	96 pF/m
Velocity of signal propagation	70 %
Signal delay	4,8 ns/m
Working voltage, AC r.m.s.	1500 max
Working voltage, DC	3000 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	43
1000	68
1800	93
2000	98
2400	108
3000	120
5000	159
10000	245
18000	355

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 6mm
Minimum bend radius (MBR) dynamic use	multiple bends: 25mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Smoke generation	passes IEC 61034-2
Connectors	As semi-rigid M17/133-RG405

Average Power	
MHz	W
400	194
1000	120
1800	89
2000	84
2400	77
3000	68
5000	53
10000	36
18000	25

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: