

Speedfoam

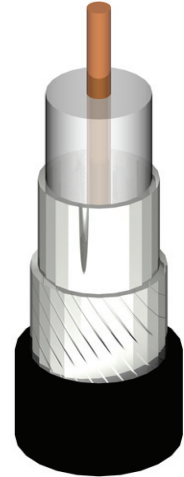
Page	Name	Impedance	Overall diameter (mm)	Overall diameter (in)
J.2	Speedfoam 300	50 Ohm	4,95	0,194"
J.3	Speedfoam 400	50 Ohm	6,10	0,240"
J.4	Speedfoam 500	50 Ohm	7,60	0,299"
J.5	Speedfoam 700	50 Ohm	10,30	0,405"
J.6	Speedfoam 900	50 Ohm	12,70	0,500"

Alternatives:

Please ask for details

Construction:

Conductor	Bare copper (1x1,12)	1,12
Dielectric	Foamed PE	2,95
Tape	Aluminium / mylar (bonded to dielectric)	3,07
Braid	Tin plated copper	3,70
Jacket	HFS 80 T, Black	4,95
Weight	35 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	33000-300-00	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	80 pF/m
Velocity of signal propagation	83 %
Signal delay	4 ns/m
Working voltage, AC r.m.s.	500 max
Working voltage, DC	1000 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 2,5 GHz
Shielding effectiveness	typically -90 dB/m


Attenuation	
MHz	dB/100m
50	8
100	11
200	15
400	22
900	33
1500	43
1800	47
2000	50
2500	56

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 13mm
Minimum bend radius (MBR) dynamic use	multiple bends: 50mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Halogen free	passes IEC 60754-2
Smoke generation	passes IEC 61034-2
Connectors	Information can be provided on request

Average Power	
MHz	W
50	1020
100	550
200	385
400	275
900	180
1500	140
1800	130
2000	120
2500	100

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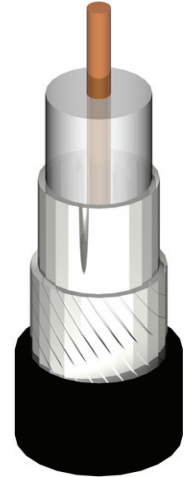
Ref: SF-eSF300-02
Date: 2007-04-08
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Bare copper (1x1,42)	1,42
Dielectric	Foamed PE	3,81
Tape	Aluminium / mylar (bonded to dielectric)	3,90
Braid	Tin plated copper	4,50
Jacket	HFS 80 T, Black	6,10
Weight	59 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	33000-400-00	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	79 pF/m
Velocity of signal propagation	84 %
Signal delay	4 ns/m
Working voltage, AC r.m.s.	500 max
Working voltage, DC	1000 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 2,5 GHz
Shielding effectiveness	typically -90 dB/m


Attenuation	
MHz	dB/100m
50	6
100	8
200	12
400	17
900	25
1500	33
1800	36
2000	38
2500	43

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 20mm
Minimum bend radius (MBR) dynamic use	multiple bends: 60mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Halogen free	passes IEC 60754-2
Smoke generation	passes IEC 61034-2
Connectors	Information can be provided on request

Average Power	
MHz	W
50	1150
100	800
200	565
400	400
900	260
1500	200
1800	180
2000	170
2500	150

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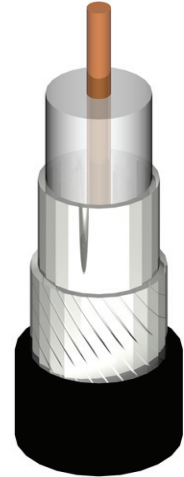
Ref: SF-eSF400-02
Date: 2007-04-08
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Bare copper (1x1,78)	1,78
Dielectric	Foamed PE	4,80
Tape	Aluminium / mylar (bonded to dielectric)	5,00
Braid	Tin plated copper	5,70
Jacket	HFS 80 T, Black	7,60
Weight	94 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	33000-500-00	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	79 pF/m
Velocity of signal propagation	85 %
Signal delay	4 ns/m
Working voltage, AC r.m.s.	500 max
Working voltage, DC	1000 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 2,5 GHz
Shielding effectiveness	typically -90 dB/m


Attenuation	
MHz	dB/100m
50	5
100	7
200	10
400	14
900	22
1500	28
1800	31
2000	32
2500	37

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 23mm
Minimum bend radius (MBR) dynamic use	multiple bends: 75mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Halogen free	passes IEC 60754-2
Smoke generation	passes IEC 61034-2
Connectors	Information can be provided on request

Average Power	
MHz	W
50	1600
100	1125
200	795
400	550
900	360
1500	280
1800	250
2000	240
2500	210

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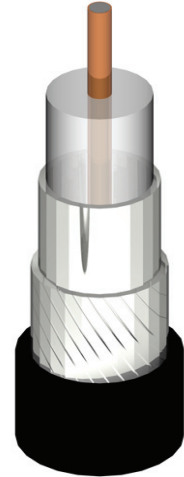
Ref: SF-eSF500-02
Date: 2007-04-08
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Copper covered aluminium (1x2,77)	2,77
Dielectric	Foamed PE	7,24
Tape	Aluminium / mylar (bonded to dielectric)	7,40
Braid	Tin plated copper	8,13
Jacket	HFS 80 T, Black	10,3
Weight	121 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	33000-700-00	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	79 pF/m
Velocity of signal propagation	84 %
Signal delay	4 ns/m
Working voltage, AC r.m.s.	500 max
Working voltage, DC	1000 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 2,5 GHz
Shielding effectiveness	typically -90 dB/m


Attenuation	
MHz	dB/100m
50	3
100	4
200	6
400	9
900	13
1500	17
1800	19
2000	20
2500	23

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 25mm
Minimum bend radius (MBR) dynamic use	multiple bends: 100mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Halogen free	passes IEC 60754-2
Smoke generation	passes IEC 61034-2
Connectors	Information can be provided on request

Average Power	
MHz	W
50	2600
100	1835
200	1255
400	880
900	580
1500	440
1800	400
2000	370
2500	330

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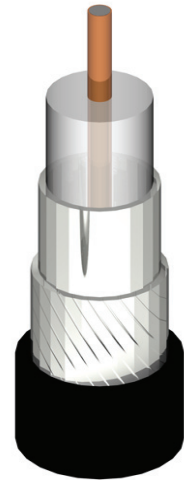
Ref: SF-eSF700-02
Date: 2007-04-08
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Copper covered aluminium (1x3,61)	3,61
Dielectric	Foamed PE	9,40
Tape	Aluminium / polyester (bonded to dielectric)	9,55
Braid	Tin plated copper	10,3
Jacket	HFS 80 T, Black	12,7
Weight	150 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	33000-900-00	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	79 pF/m
Velocity of signal propagation	85 %
Signal delay	4 ns/m
Working voltage, AC r.m.s.	500 max
Working voltage, DC	1000 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 2,5 GHz
Shielding effectiveness	typically -90 dB/m

Attenuation	
MHz	dB/100m
50	3
100	4
200	5
400	7
900	11
1500	14
1800	15
2000	16
2500	18

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 32mm
Minimum bend radius (MBR) dynamic use	multiple bends: 130mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Halogen free	passes IEC 60754-2
Smoke generation	passes IEC 61034-2
Connectors	Information can be provided on request

Average Power	
MHz	W
50	3400
100	2325
200	1675
400	1165
900	750
1500	570
1800	520
2000	490
2500	430

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Ref: SF-eSF900-02
Date: 2007-04-08
Approved by: 