Habia Cable

Speedflex® 375

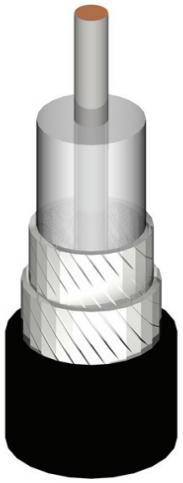
LS0H Coaxial

Alternatives:
Speedflex 375 UL 1375:
34000-375-01

Alternative colours also available

Construction:

Conductor	Solid silver plated copper	1,40
Dielectric	High-foamed PE	3,75
Braid	2x Silver plated copper (0,10)	4,70
Jacket	HFS 80 T, Black	5,70
Weight	64 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	**34000-375-00**	



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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	82 pF/m
Velocity of signal propagation	82 %
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	-60 dB/m

Attenuation	
MHz	dB/100m
100	9
200	13
400	18
900	29
1200	34
1500	38.5
1800	42.5
2000	46
2500	52

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 29mm
Minimum bend radius (MBR) dynamic use	multiple bends: 85mm
Flame resistance	passes IEC 60332-1
Flammability	passes UL 1581 VW-1
Halogen free	passes IEC 60754-2
Smoke generation	passes IEC 61034-2
Connectors	please ask for details

Average Power	
MHz	W
100	374
200	262
400	175
900	110
1200	95
1500	85
1800	75
2000	70
2500	60

Ref: SX-eSX375-03
Date: 2008-03-20
Approved by:

Habia Cable

Speedflex® 393

LS0H Coaxial

Alternatives:
Standard RG 393 /U:
30000-393-00

Speedflex 393 UL 1375:
34000-393-01

Speedflex 393 XL:
34000-393-03

Alternative colours also available

Construction:

Conductor	Silver plated copper (7x0,80)	2,43
Dielectric	Low-foamed PE	7,24
Braid	2x Silver plated copper (0,16)	8,70
Jacket	HFS 80 T, Black	10,10
Weight	180 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	**34000-393-00**	

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	95 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	4400 max
Working voltage, DC	8800 max
Attenuation, typical values	see table
(nominal values at an air temperature of +20°C)	
Power, typical values	see table
(ambient temperature of 40°C at sea level and VSWR 1.0)	
Suitable for frequencies	up to 2,5 GHz
Shielding effectiveness	-60 dB/m

Attenuation	
MHz	dB/100m
100	8
200	12
400	16
900	26
1200	30
1500	34
1800	38
2000	41
2500	50

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 50mm
Minimum bend radius (MBR) dynamic use	multiple bends: 180m
Flame resistance	passes IEC 60332-1
Flammability	passes UL 1581 VW-1
Halogen free	passes IEC 60754-2
Smoke generation	passes IEC 61034-2
Connectors	compatible with all standard types

Average Power	
MHz	W
100	857
200	598
400	414
900	265
1200	224
1500	200
1800	180
2000	170
2500	150

Ref: SX-eSX393-03
Date: 2008-03-20
Approved by:

Habia Cable

Speedflex® 400

LS0H Coaxial

Alternatives:
Standard RG 400 /U:
30000-400-00

Speedflex 400 UL 1375:
34000-400-01

Speedflex 400 XL:
34000-400-03

Alternative colours also available

Construction:

Conductor	Silver plated copper (19x0,20)	0,98
Dielectric	Low-foamed PE	2,95
Braid	2x Silver plated copper (0,13)	4,10
Jacket	HFS 80 T, Black	5,10
Weight	55 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	**34000-400-00**	

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	95 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 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 2,5 GHz
Shielding effectiveness	-60 dB/m

Attenuation	
MHz	dB/100m
100	16
200	23
400	33
900	53
1200	63
1500	71
1800	79
2000	84
2500	96

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 25mm
Minimum bend radius (MBR) dynamic use	multiple bends: 50mm
Flame resistance	passes IEC 60332-1
Flammability	passes UL 1581 VW-1
Halogen free	passes IEC 60754-2
Smoke generation	passes IEC 61034-2
Connectors	compatible with all standard types

Average Power	
MHz	W
100	245
200	173
400	122
900	80
1200	67
1500	60
1800	55
2000	50
2500	45

Ref: SX-eSX400-03
Date: 2008-03-20
Approved by:

Habia Cable

Speedflex® 585

LS0H Coaxial

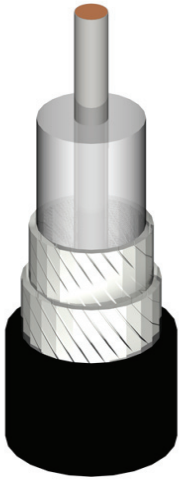
Alternatives:
Speedflex 585 UL 1375:
34000-585-01

Speedflex 585 XL:
34000-585-02

Alternative colours also available

Construction:

Conductor	Solid silver plated copper	2,22
Dielectric	High-foamed PE	5,85
Braid	2x Silver plated copper (0,16)	7,25
Jacket	HFS 80 T, Black	9,00
Weight	144 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	**34000-585-00**	



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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	82 pF/m
Velocity of signal propagation	82 %
Signal delay	4 ns/m
Working voltage, AC r.m.s.	750 max
Working voltage, DC	1500 max
Attenuation, typical values	see table
(nominal values at an air temperature of +20°C)	
Power, typical values	see table
(ambient temperature of 40°C at sea level and VSWR 1.0)	
Suitable for frequencies	up to 2,5 GHz
Shielding effectiveness	-60 dB/m

Attenuation	
MHz	dB/100m
100	7
200	9
400	14
900	21
1200	25
1500	29
1800	33
2000	36
2500	42

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 45mm
Minimum bend radius (MBR) dynamic use	multiple bends: 135mm
Flame resistance	passes IEC 60332-1
Flammability	passes UL 1581 VW-1
Halogen free	passes IEC 60754-2
Smoke generation	passes IEC 61034-2
Connectors	please ask for details

Average Power	
MHz	W
100	698
200	477
400	318
900	195
1200	157
1500	140
1800	125
2000	115
2500	100

Ref: SX-eSX585-03
Date: 2008-03-20
Approved by: