

Page	Material	Name	Impedance	Overall diameter (mm)	Overall diameter (in)
E.2	RG 58 (LS0H)	PE / LS0H	50 Ohm	4,95	0,194"
E.3	RG 59 (LS0H)	PE / LS0H	75 Ohm	6,15	0,242"
E.4	RG 174	PE / PVC	50 Ohm	2,80	0,110"
E.5	RG 214 (LS0H)	PE / LS0H	50 Ohm	10,80	0,425"
E.6	RG 214 (T)	PE / LS0H	50 Ohm	10,10	0,397"
E.7	RG 223 (LS0H)	PE / LS0H	50 Ohm	5,40	0,212"
E.8	RG 223 (T)	PE / LS0H	50 Ohm	4,90	0,192"
E.9	RG 142	PTFE / FEP	50 Ohm	4,80	0,188"
E.10	RG 178	PTFE / FEP	50 Ohm	1,75	0,068"
E.11	RGD 178	PTFE / FEP	50 Ohm	2,25	0,088"
E.12	RG 179	PTFE / FEP	75 Ohm	2,50	0,098"
E.13	RGD 179	PTFE / FEP	75 Ohm	3,00	0,118"
E.14	RG 180	PTFE / FEP	95 Ohm	3,60	0,141"
E.15	RGD 180	PTFE / FEP	95 Ohm	4,10	0,161"
E.16	RG 302	PTFE / FEP	75 Ohm	5,13	0,202"
E.17	RG 303	PTFE / FEP	50 Ohm	4,30	0,169"
E.18	RG 304	PTFE / FEP	50 Ohm	7,10	0,279"
E.19	RG 316	PTFE / FEP	50 Ohm	2,45	0,096"
E.20	RGD 316	PTFE / FEP	50 Ohm	2,90	0,114"
E.21	RG 393	PTFE / FEP	50 Ohm	9,90	0,389"
E.22	RG 400	PTFE / FEP	50 Ohm	4,80	0,188"
E.23	SM 50	PTFE / FEP	50 Ohm	1,00	0,039"
E.24	SM 75	PTFE / FEP	75 Ohm	1,00	0,039"
E.25	SM 95	PTFE / FEP	95 Ohm	1,40	0,055"

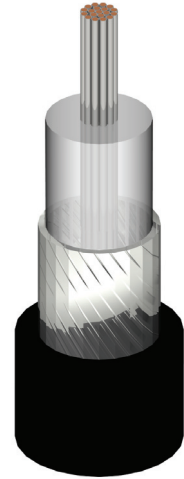
Alternatives:

PVC jacketed version,
RG 58:
36000-058-00

Construction:

Conductor
Dielectric
Braid
Jacket
Weight
Temperature rating (°C)
Order reference

Tin plated copper (19x0,18)* 0,90
Soild PE 2,95
Tin plated copper (0,13) 3,55
HFS 80 T, Black 4,95
36 kg/km
-25 / +80°C
36000-058-01



Notes:

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

Electrical:

Impedance 50 ± 2 Ohms
Capacitance nom 101 pF/m
Velocity of signal propagation 66%
Signal delay 4,9 ns/m
Working voltage, AC r.m.s. 1400 max
Working voltage, DC 2800 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 3 GHz
Shielding effectiveness typically -60dB/m

Attenuation	
MHz	dB/100m
100	16
200	23
400	35
900	55
1200	64
1500	72
1800	79
2000	84
2500	94


Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation) 25mm
Minimum bend radius (MBR) dynamic use 50mm

Average Power	
MHz	W
100	200
200	141
400	90
900	58
1200	50
1500	45
1800	41
2000	39
2500	35

*Please note: Attenuation will be higher than stated on designs with TPC braid

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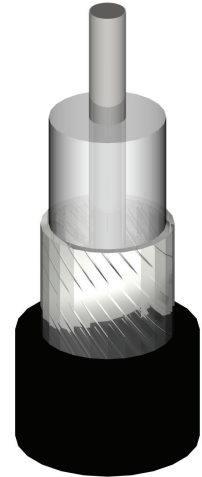
Ref: CC-eRG58-02
Date: 2007-04-27
Approved by: 

Alternatives:

PVC jacketed version,
RG 59:
36000-059-00

Construction:

Conductor	Copper covered steel (1x0,57)	0,57
Dielectric	Solid PE	3,70
Braid	Copper (0,16)	4,45
Jacket	HFS 80 T, Black	6,15
Weight	55 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	36000-059-01	



Notes:

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

Electrical:

Impedance	75 \pm 3 Ohms
Capacitance	nom 68 pF/m
Velocity of signal propagation	66%
Signal delay	4,9 ns/m
Working voltage, AC r.m.s.	1700 max
Working voltage, DC	3400 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 3 GHz
Shielding effectiveness	typically -60dB/m


Attenuation	
MHz	dB/100m
100	11
200	16
400	24
900	39
1200	46
1500	51
1800	57
2000	60
2500	68

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	30mm
Minimum bend radius (MBR) dynamic use	60mm

Average Power	
MHz	W
100	300
200	212
400	160
900	79
1200	68
1500	61
1800	56
2000	53
2500	47

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Ref: CC-eRG59-02
Date: 2007-04-27
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Copper covered steel (7x0,16)	0,48
Dielectric	Solid PE	1,52
Braid	Tin plated copper (0,10)	2,23
Jacket	PVC, Black	2,80
Weight	12 kg/km	
Temperature rating (°C)	-40 / +85°C	
Order reference	36000-174-00	



Notes:

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

Electrical:

Impedance	50 \pm 2 Ohms
Capacitance	101 pF/m
Velocity of signal propagation	66 %
Signal delay	4,9 ns/m
Working voltage, AC r.m.s.	1100 max
Working voltage, DC	2200 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 -60 dB/m


Attenuation	
MHz	dB/100m
100	28
200	40
400	58
900	90
1200	106
1500	119
1800	130
2000	138
2500	155

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 15mm
Minimum bend radius (MBR) dynamic use	multiple bends: 30mm

Average Power	
MHz	W
100	52
200	37
400	26
900	18
1200	16
1500	14
1800	13
2000	12
2500	11

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Ref: CC-eRG174-02
Date: 2007-04-27
Approved by: 

RG 214 (LS0H)

Coaxial - PE

Alternatives:

PVC jacketed version,
RG 214:
36000-214-00

Construction:

Conductor
Dielectric
Braid
Jacket
Weight
Temperature rating (°C)
Order reference

Silver plated copper (7x0,75) 2,25
Solid PE 7,24
2x Silver plated copper (0,16) 8,70
HFS 80 T, Black 10,80
195 kg/km
-40 / +85°C
36000-214-01



Notes:

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

Electrical:

Impedance 50 ± 2 Ohms
Capacitance 101 pF/m
Velocity of signal propagation 66 %
Signal delay 4.9 ns/m
Working voltage, AC r.m.s. 3700 max
Working voltage, DC 7400 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 typically -80 dB/m


Attenuation	
MHz	dB/100m
100	6
200	9
400	13
900	21
1200	24
1500	28
1800	32
2000	34
2500	39

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation) single bend: 50mm
Minimum bend radius (MBR) dynamic use multiple bends: 100mm

Average Power	
MHz	W
100	900
200	636
400	320
900	213
1200	155
1500	139
1800	105
2000	100
2500	89

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Ref: CC-eRG214-02
Date: 2007-04-27
Approved by: 

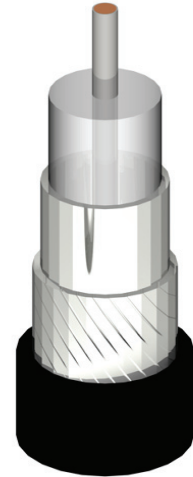
Alternatives:

RG 214:
36000-214-00

RG 214 (LS0H):
36000-214-01

Construction:

Conductor	Tin plated copper (7x0,75)	2,25
Dielectric	Soild PE	7,24
Braid	Foil & Tin plated copper (0,16)	8,10
Jacket	HFS 80 T, Black	10,10
Weight	155 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	401-61234-030	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	101 pF/m
Velocity of signal propagation	66 %
Signal delay	4.9 ns/m
Working voltage, AC r.m.s.	3700 max
Working voltage, DC	7400 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 -80 dB/m

Attenuation	
MHz	dB/100m
100	6
200	9
400	13
900	21
1200	24
1500	28
1800	32
2000	34
2500	39


Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 50mm
Minimum bend radius (MBR) dynamic use	multiple bends: 100mm

*Please note: Attenuation will be higher than stated on designs with TPC braid

Average Power	
MHz	W
100	900
200	636
400	320
900	213
1200	155
1500	139
1800	105
2000	100
2500	89

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Ref: CC-eRG214T-01
Date: 2007-04-27
Approved by: 

Alternatives:

PVC jacketed version,
RG 223:
36000-223-00

Construction:

Conductor	Silver plated copper (1x0,89)	0,89
Dielectric	Soild PE	2,95
Braid	2x Silver plated copper (0,13)	4,10
Jacket	HFS 80 T, Black	5,40
Weight	57 kg/km	
Temperature rating (°C)	-40 / +85°C	
Order reference	36000-223-01	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	101 pF/m
Velocity of signal propagation	66 %
Signal delay	4.9 ns/m
Working voltage, AC r.m.s.	1400 max
Working voltage, DC	2800 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 -80 dB/m


Attenuation	
MHz	dB/100m
100	13
200	19
400	29
900	45
1200	54
1500	61
1800	69
2000	73
2500	83

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 25mm
Minimum bend radius (MBR) dynamic use	multiple bends: 50mm

Average Power	
MHz	W
100	200
200	141
400	86
900	57
1200	46
1500	41
1800	32
2000	30
2500	27

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Ref: CC-eRG223-02
Date: 2007-04-27
Approved by: 

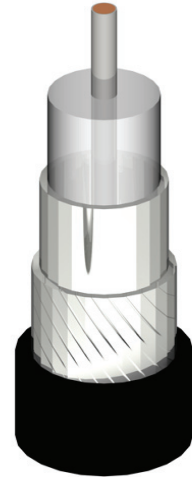
Alternatives:

RG 223:
36000-223-00

RG 223 (LS0H):
36000-223-01

Construction:

Conductor	Tin plated copper (1x0,89)	0,89
Dielectric	Soild PE	2,95
Braid	Foil & Tin plated copper (0,13)	3,70
Jacket	HFS 80, Black	4,90
Weight	43 kg/km	
Temperature rating (°C)	-25 / +80°C	
Order reference	401-61233-030	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	101 pF/m
Velocity of signal propagation	66 %
Signal delay	4.9 ns/m
Working voltage, AC r.m.s.	1400 max
Working voltage, DC	2800 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 -80 dB/m


Attenuation	
MHz	dB/100m
100	13
200	19
400	29
900	45
1200	54
1500	61
1800	69
2000	73
2500	83

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 25mm
Minimum bend radius (MBR) dynamic use	multiple bends: 50mm

Average Power	
MHz	W
100	200
200	141
400	86
900	57
1200	46
1500	41
1800	32
2000	30
2500	27

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Ref: CC-eRG223T-01
Date: 2007-04-27
Approved by: 

Alternatives:

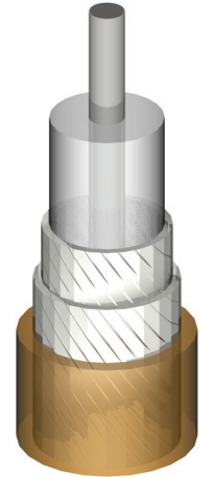
RG 142 (M):
30000-142-00

Speedflex 142 (LS0H):
34000-142-00

Alternative colours also available

Construction:

Conductor	Silver plated copper (1x0,94)	0,94
Dielectric	Solid PTFE	2,95
Braid	2x Silver plated copper (0,13)	4,15
Jacket	FEP, Brown-transparent	4,80
Weight	80 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-142-50	


Notes:

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

Electrical:

Impedance	50 \pm 2 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	1400 max
Working voltage, DC	2800 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 -80 dB/m


Attenuation	
MHz	dB/100m
100	13
200	18
400	26
900	40
1200	46
1500	52
1800	57
2000	61
2500	69

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 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	1300
200	919
400	650
900	433
1200	375
1500	336
1800	307
2000	291
2500	260

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Ref: CC-eRG142-03
Date: 2007-08-08
Approved by: 

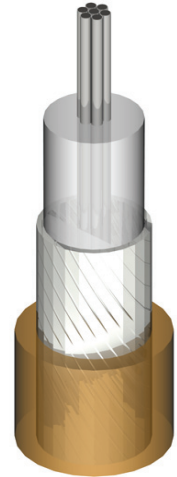
Alternatives:

RG 178 (M):
30000-178-01

Alternative colours also
available

Construction:

Conductor	Silver plated copper (7x0,10)	0,30
Dielectric	Solid PTFE	0,84
Braid	Silver plated copper (0,10)	1,37
Jacket	FEP, Brown-transparent	1,75
Weight	7,8 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-178-50	


Notes:

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

Electrical:

Impedance	50 \pm 2 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 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 -60 dB/m


Attenuation	
MHz	dB/100m
100	46
200	65
400	93
900	140
1200	162
1500	182
1800	200
2000	211
2500	236

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 10mm
Minimum bend radius (MBR) dynamic use	multiple bends: 20mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	150
200	106
400	75
900	50
1200	43
1500	39
1800	35
2000	34
2500	30

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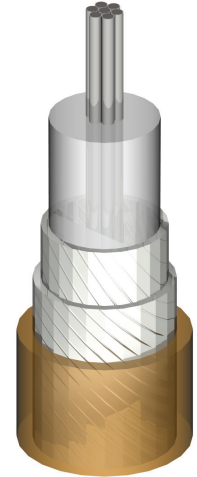
Ref: CC-eRG178-06
Date: 2007-04-27
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Silver plated copper covered steel (7x0,10)	0,30
Dielectric	Solid PTFE	0,84
Braid	2x Silver plated copper (0,10)	1,74
Jacket	FEP, Brown-transparent	2,25
Weight	14 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-178-03	



Notes:

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

Electrical:

Impedance	50 \pm 2 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 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 -80 dB/m


Attenuation	
MHz	dB/100m
100	46
200	65
400	93
900	140
1200	162
1500	182
1800	200
2000	211
2500	236

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 15mm
Minimum bend radius (MBR) dynamic use	multiple bends: 25mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	150
200	106
400	75
900	50
1200	43
1500	39
1800	35
2000	34
2500	30

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Ref: CC-eRGD178-05
Date: 2007-12-20
Approved by: 

Alternatives:

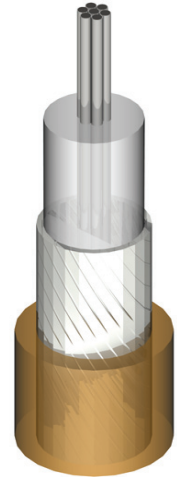
RG 179 (M):
30000-179-00

Speedflex 179 (LS0H):
34000-179-00

Alternative colours also available

Construction:

Conductor	Silver plated copper (7x0,10)	0,30
Dielectric	Solid PTFE	1,60
Braid	Silver plated copper (0,10)	2,05
Jacket	FEP, Brown-transparent	2,50
Weight	15 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-179-50	



Notes:

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

Electrical:

Impedance	75 \pm 3 Ohms
Capacitance	63 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	900 max
Working voltage, DC	1800 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 -60 dB/m


Attenuation	
MHz	dB/100m
100	28
200	39
400	56
900	85
1200	98
1500	110
1800	121
2000	128
2500	144

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 15mm
Minimum bend radius (MBR) dynamic use	multiple bends: 30mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	280
200	198
400	140
900	93
1200	81
1500	72
1800	66
2000	63
2500	56

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Ref: CC-eRG179-05
Date: 2007-12-20
Approved by: 

RGD 179 Coaxial - PTFE

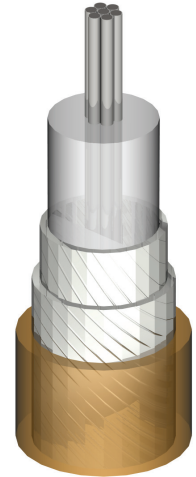
Alternatives:

RGD 179 (M):
30000-179-02

Alternative colours also available

Construction:

Conductor	Silver plated copper (7x0,10)	0,30
Dielectric	Solid PTFE	1,60
Braid	2x Silver plated copper (0,10)	2,50
Jacket	FEP, Brown-transparent	3,00
Weight	23 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-179-55	



Notes:

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

Electrical:

Impedance	75 \pm 3 Ohms
Capacitance	63 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	900 max
Working voltage, DC	1800 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 -80 dB/m


Attenuation	
MHz	dB/100m
100	28
200	39
400	56
900	85
1200	98
1500	110
1800	121
2000	128
2500	144

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 15mm
Minimum bend radius (MBR) dynamic use	multiple bends: 30mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	280
200	198
400	140
900	93
1200	81
1500	72
1800	66
2000	63
2500	56

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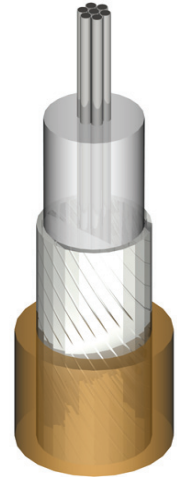
Ref: CC-eRGD179-05
Date: 2007-20-12
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Silver plated copper covered steel (7x0,10)	0,30
Dielectric	Solid PTFE	2,60
Braid	Silver plated copper (0,10)	3,15
Jacket	FEP, Brown-transparent	3,60
Weight	27 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-180-00	



Notes:

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

Electrical:

Impedance	95 \pm 5 Ohms
Capacitance	50 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	1000 max
Working voltage, DC	2000 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 -60 dB/m


Attenuation	
MHz	dB/100m
100	21
200	30
400	43
900	65
1200	76
1500	85
1800	94
2000	99
2500	111

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 20mm
Minimum bend radius (MBR) dynamic use	multiple bends: 40mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	440
200	311
400	220
900	147
1200	127
1500	114
1800	104
2000	98
2500	88

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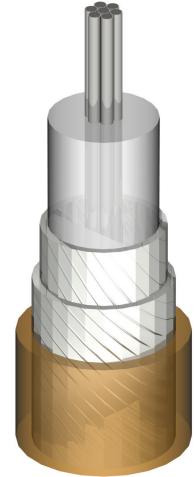
Ref: CC-eRG180-04
Date: 2007-04-27
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Silver plated copper covered steel (7x0,10)	0,30
Dielectric	Solid PTFE	2,60
Braid	2x Silver plated copper (0,10)	3,65
Jacket	FEP, Brown-transparent	4,10
Weight	39 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-180-07	



Notes:

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

Electrical:

Impedance	95 ± 5 Ohms
Capacitance	50 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	1000 max
Working voltage, DC	2000 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 -80 dB/m


Attenuation	
MHz	dB/100m
100	21
200	30
400	43
900	65
1200	76
1500	85
1800	94
2000	99
2500	111

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 25mm
Minimum bend radius (MBR) dynamic use	multiple bends: 45mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	440
200	311
400	220
900	147
1200	127
1500	114
1800	104
2000	98
2500	88

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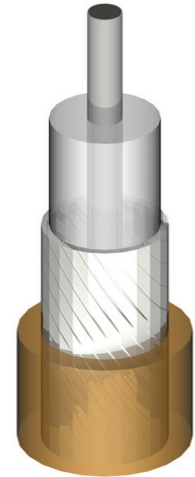
Ref: CC-eRGD180-04
Date: 2007-04-27
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Silver plated copper covered steel (1x0,64)	0,64
Dielectric	Solid PTFE	3,70
Braid	Silver plated copper (0,13)	4,30
Jacket	FEP, Brown-transparent	5,13
Weight	54 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-302-00	



Notes:

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

Electrical:

Impedance	75 ± 3 Ohms
Capacitance	63 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	1700 max
Working voltage, DC	3400 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 -60 dB/m


Attenuation	
MHz	dB/100m
100	11
200	15
400	22
900	34
1200	39
1500	44
1800	49
2000	52
2500	59

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 30mm
Minimum bend radius (MBR) dynamic use	multiple bends: 60mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	1300
200	919
400	650
900	433
1200	375
1500	336
1800	307
2000	291
2500	260

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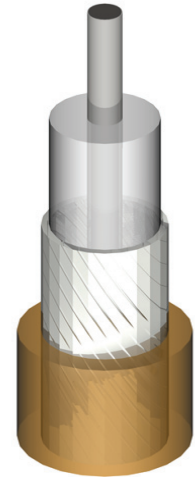
Ref: CC-eRG302-06
Date: 2007-12-20
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Silver plated copper covered steel (1x0,94)	0,94
Dielectric	Solid PTFE	2,95
Braid	Silver plated copper (0,13)	3,55
Jacket	FEP, Brown-transparent	4,30
Weight	45 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-303-00	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	1400 max
Working voltage, DC	2800 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 -60 dB/m


Attenuation	
MHz	dB/100m
100	13
200	18
400	26
900	40
1200	46
1500	52
1800	57
2000	61
2500	69

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 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	1120
200	792
400	560
900	373
1200	323
1500	289
1800	264
2000	250
2500	224

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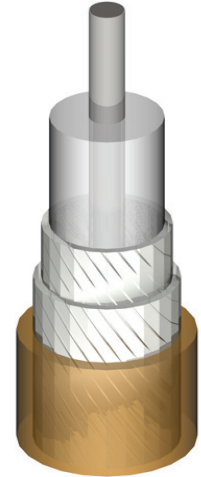
Ref: CC-eRG303-06
Date: 2007-12-20
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Silver plated copper covered steel (1x1,50)	1,50
Dielectric	Solid PTFE	4,70
Braid	2x Silver plated copper (0,16)	5,40
Jacket	FEP, Brown-transparent	7,10
Weight	130 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-304-00	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	2200 max
Working voltage, DC	4400 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 -80 dB/m

Attenuation	
MHz	dB/100m
100	9
200	12
400	18
900	28
1200	32
1500	37
1800	41
2000	43
2500	49

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 40mm
Minimum bend radius (MBR) dynamic use	multiple bends: 80mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	2400
200	1697
400	1200
900	800
1200	693
1500	620
1800	566
2000	537
2500	480

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Ref: CC-eRG304-05
Date: 2007-08-08
Approved by:

Alternatives:

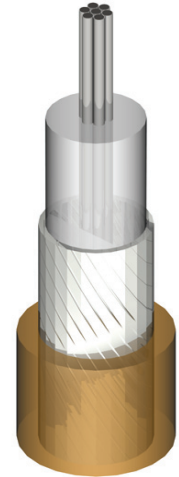
RG 316 (M):
30000-316-01

Speedflex 316 (LS0H):
34000-316-00

Alternative colours also available

Construction:

Conductor	Silver plated copper (7x0,18)	0,54
Dielectric	Solid PTFE	1,56
Braid	Silver plated copper (0,10)	2,00
Jacket	FEP, Brown-transparent	2,45
Weight	15 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-316-50	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	900 max
Working voltage, DC	1800 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 -60 dB/m


Attenuation	
MHz	dB/100m
100	27
200	38
400	54
900	82
1200	95
1500	106
1800	117
2000	124
2500	139

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 15mm
Minimum bend radius (MBR) dynamic use	multiple bends: 30mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	340
200	240
400	170
900	113
1200	98
1500	88
1800	80
2000	76
2500	68

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Ref: CC-eRG316-06
Date: 2007-12-20
Approved by: 

RGD 316 Coaxial - PTFE

Alternatives:

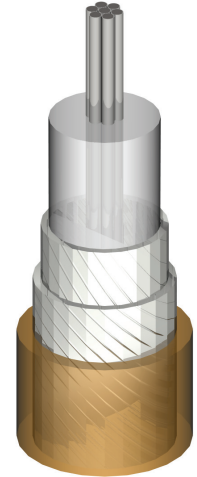
RGD 316 (M):
30000-316-05

Speedflex 316d (LSOH):
34000-316-10

Alternative colours also available

Construction:

Conductor	Silver plated copper (7x0,18)	0,54
Dielectric	Solid PTFE	1,56
Braid	2x Silver plated copper (0,10)	2,45
Jacket	FEP, Brown-transparent	2,90
Weight	23 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-316-05	



Notes:

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

Electrical:

Impedance	50 \pm 2 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	900 max
Working voltage, DC	1800 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 -80 dB/m


Attenuation	
MHz	dB/100m
100	27
200	38
400	54
900	82
1200	95
1500	106
1800	117
2000	124
2500	139

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 15mm
Minimum bend radius (MBR) dynamic use	multiple bends: 30mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	340
200	240
400	170
900	113
1200	98
1500	88
1800	80
2000	76
2500	68

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Ref: CC-eRGD316-05
Date: 2007-08-08
Approved by: 

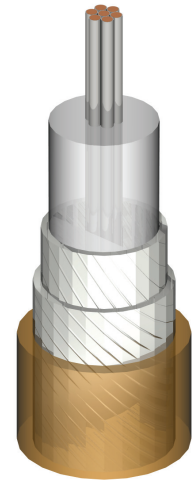
Alternatives:

Speedflex 393 (LS0H):
34000-393-00

Alternative colours also available

Construction:

Conductor	Silver plated copper (7x0,80)	2,40
Dielectric	Solid PTFE	7,25
Braid	2x Silver plated copper (0,16)	8,70
Jacket	FEP, Brown-transparent	9,90
Weight	240 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-393-00	



Notes:

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

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 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 2,5 GHz
Shielding effectiveness	typically -80 dB/m


Attenuation	
MHz	dB/100m
100	7
200	10
400	14
900	22
1200	25
1500	29
1800	32
2000	34
2500	39

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 50mm
Minimum bend radius (MBR) dynamic use	multiple bends: 100mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	3600
200	2546
400	1800
900	1200
1200	1039
1500	930
1800	849
2000	805
2500	720

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Ref: CC-eRG393-06
 Date: 2007-20-12
 Approved by: 

RG 400 Coaxial - PTFE

Alternatives:

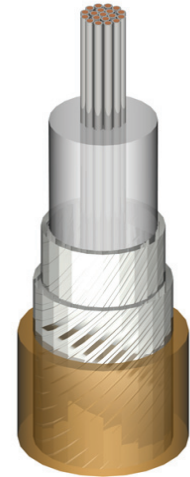
RG 400 (M):
30000-400-00

Speedflex 400 (LS0H):
34000-400-00

Alternative colours also available

Construction:

Conductor	Silver plated copper (19x0,20)	0,98
Dielectric	Solid PTFE	2,95
Braid	2x Silver plated copper (0,13)	4,10
Jacket	FEP, Brown-transparent	4,80
Weight	64 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-400-50	



Notes:

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

Electrical:

Impedance	50 \pm 2 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	1400 max
Working voltage, DC	2800 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 -80 dB/m


Attenuation	
MHz	dB/100m
100	15
200	22
400	31
900	47
1200	55
1500	62
1800	68
2000	72
2500	81

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 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	1100
200	778
400	550
900	367
1200	318
1500	284
1800	259
2000	246
2500	220

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Ref: CC-eRG400-06
Date: 2007-12-20
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Silver plated high strength copper alloy (1x0,16)	0,16
Dielectric	Solid PTFE	0,52
Braid	Silver plated copper (0,06)	0,85
Jacket	FEP, Brown-transparent	1,00
Weight	2,7 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-050-00	



Notes:

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

Electrical:

Impedance	50 \pm 5 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	400 max
Working voltage, DC	800 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 -60 dB/m


Attenuation	
MHz	dB/100m
100	65
200	92
400	130
900	196
1200	227
1500	254
1800	278
2000	294
2500	329

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 5mm
Minimum bend radius (MBR) dynamic use	multiple bends: 10mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	64
200	45
400	32
900	21
1200	18
1500	17
1800	15
2000	14
2500	13

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Ref: CC-eSM50-04
Date: 2007-04-27
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Silver plated high strength copper alloy (1x0,10)	0,10
Dielectric	Solid PTFE	0,55
Braid	Silver plated copper (0,06)	0,90
Jacket	FEP, Brown-transparent	1,00
Weight	2,6 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-075-00	



Notes:

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

Electrical:

Impedance	75 \pm 5 Ohms
Capacitance	63 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	300 max
Working voltage, DC	600 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 -60 dB/m


Attenuation	
MHz	dB/100m
100	65
200	92
400	130
900	196
1200	226
1500	254
1800	278
2000	294
2500	329

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 5mm
Minimum bend radius (MBR) dynamic use	multiple bends: 10mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	64
200	45
400	32
900	21
1200	18
1500	17
1800	15
2000	14
2500	13

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. These products are manufactured generally in accordance with the Mil Spec. in terms of design parameters and performance. Habia are not qualified to release product to the appropriate QPL.

Ref: CC-eSM75-04
Date: 2007-04-27
Approved by: 

Alternatives:

Please ask for details

Construction:

Conductor	Silver plated high strength copper alloy (1x0,10)	0,10
Dielectric	Solid PTFE	0,95
Braid	Silver plated copper (0,06)	1,30
Jacket	FEP, Brown-transparent	1,40
Weight	4,9 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-095-00	



Notes:

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

Electrical:

Impedance	95 \pm 5 Ohms
Capacitance	50 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	400 max
Working voltage, DC	800 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 -60 dB/m

Attenuation	
MHz	dB/100m
100	47
200	67
400	95
900	143
1200	165
1500	185
1800	204
2000	215
2500	241

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 7mm
Minimum bend radius (MBR) dynamic use	multiple bends: 14mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	120
200	85
400	60
900	40
1200	35
1500	31
1800	28
2000	27
2500	24

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. These products are manufactured generally in accordance with the Mil Spec. in terms of design parameters and performance. Habia are not qualified to release product to the appropriate QPL.

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Approved by: 