

**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

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

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

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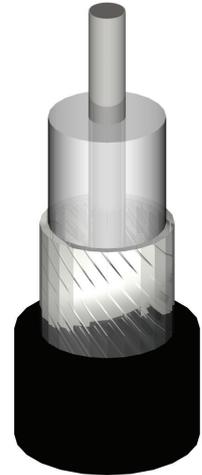
Ref: CC-eRG58-02  
Date: 2007-04-27  
Approved by: 

**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	<b>36000-059-01</b>	



**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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**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	<b>36000-174-00</b>	



**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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**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  
Soild 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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**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	<b>401-61234-030</b>	


**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.	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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**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	<b>36000-223-01</b>	



**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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**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	<b>401-61233-030</b>	



**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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