

## WIRELESS technologies

New emerging technologies allow you to connect to the Internet from your couch at home, a bed in a hotel room or a conference room at work without wires.

Wireless technology enabled computers send and receive data indoors and out; anywhere within the range of a base station and it's much faster than the fastest cable modem connection.

New technologies are all based on radio transmission networks according to IEEE standards like:

Wi-Fi operate in the unlicensed 2.4 and 5 GHz radio bands, with an 11 Mbps (IEEE 802.11b) or 54 Mbps (IEEE 802.11a) data rate or with products that contain both bands (dual band).

WiMax - Worldwide Interoperability for Microwave Access, One of several emerging standards for long-distance wireless data communications. Could displace Wi-Fi as the preferred last-mile solution for WISPs and other Internet carriers. Probably will co-exist with Wi-Fi in WLAN and Hotspot deployments. Speeds as high as 70 Mbps, and out-of-the-box distance of 30 miles.

## BWL 50 Ohm braided cables

BETA CAVI BWL cables are high performance broadband, super low loss and flexible 50 Ohm coaxial communication cables designed for technologies applications like: mobile phones, in-building, E911, unlicensed band, mobile antennas, satellite antennas, terrestrial microwave, Wi-Fi, broadband, medical, military, and air traffic control.

BETA CAVI braided cables are constructed with physical foam dielectric, skin foam skin technology and highest quality copper, aluminium, and polyethylene materials.

BWL braided cables are compatible with most well known industry standard connectors, tools and accessories.

The function of the BWL cables is to transmit signal power between the transmission equipment and the antenna in all environmental conditions. Low attenuation at high frequencies, uniform characteristic impedance and excellent return loss as well as high mechanical strength and stability are the most important qualities of BWL series.

Our technology has been developed and tested in our laboratories for frequencies up to 6 GHz. Thanks to our special manufacturing techniques we are able to achieve extra performing results exceeding international standards parameters.

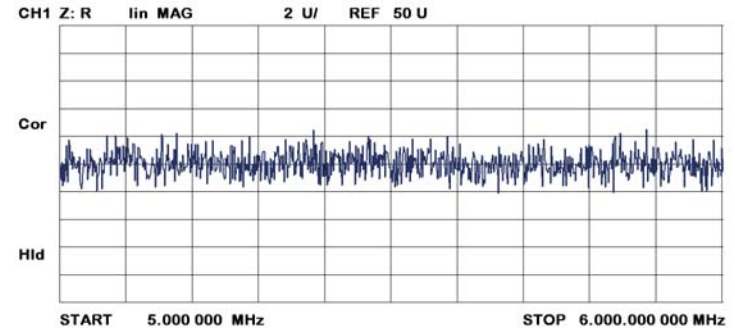
BETACAVI® has developed its own unique physical foam insulation process which uses environmentally friendly nitrogen as an expander gas.

## ATTENUATION

Using this process permits us to attain the lowest attenuation and loss factor values. Today we are able to achieve 5% lower attenuations improving the expansion rate and extruding SKIN FOAM SKIN dielectric.

## IMPEDANCE

Our technology has been developed in the broadcasting sector where the regularity of impedance in a digital video coaxial cable is extremely important. Due to this we grant on all our production a regularity of impedance of  $50 \pm 2$  Ohm.

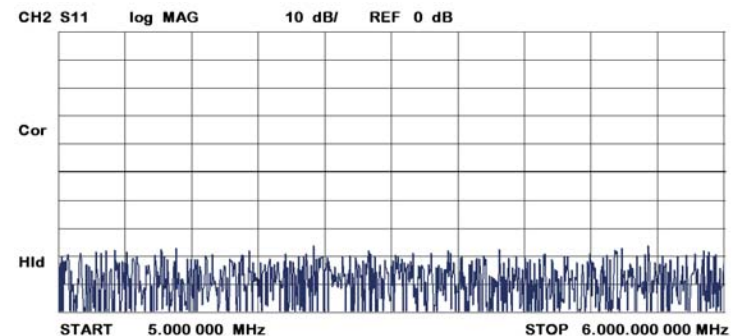


## SCREENING

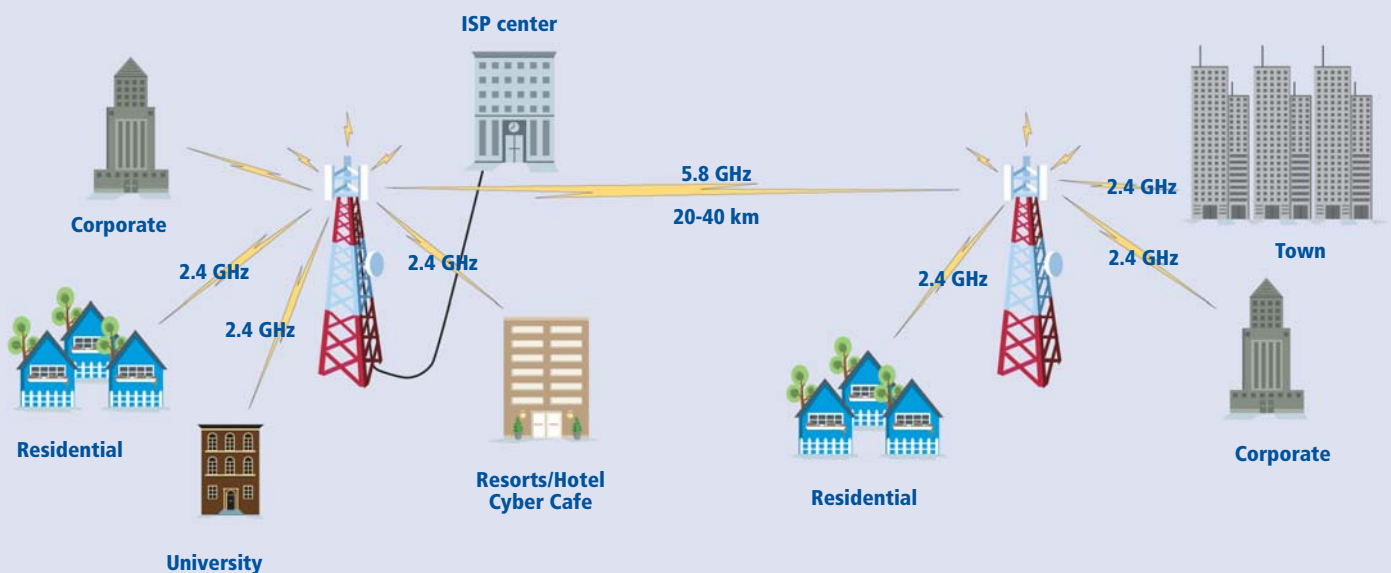
Bonding the foil to the dielectric provides outstanding return loss values throughout the entire range (Bit error reduction in digital applications) facilitating the connectorization (Time consuming) and better screening immunity compared to a non bonded cable.

## SRL Return Loss

In gaining the high return loss levels needed the manufacturing process used by BETACAVI gives the best possible results as shown by the graph.



## 5.8 GHz Outdoor AP/Bridge Application



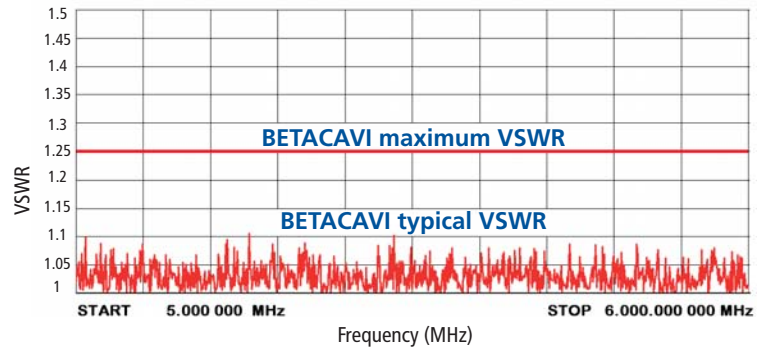
# ELECTRICAL CHARACTERISTICS

## Guaranteed VSWR

Voltage Standing Wave Ratio. The ratio of maximum voltage to minimum voltage along the line. Expresses the degree of match between the transmission line and the terminating element (antenna). When VSWR is 1:1 the match is perfect, a VSWR of 1.5:1 corresponds to 96% power efficiency.

### What VSWR means?

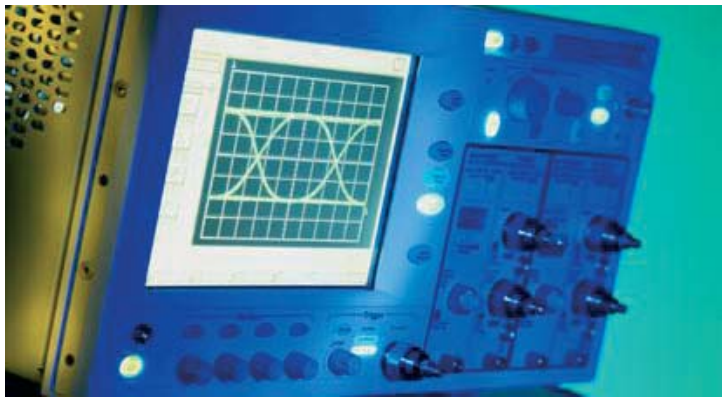
In telecommunications, standing wave ratio (SWR) is the ratio of the amplitude of a partial standing wave at an antinode (maximum) to the amplitude at an adjacent node (minimum). The SWR is usually defined as a voltage ratio called the VSWR, for voltage standing wave ratio. It is also possible to define the SWR in terms of current, resulting in the ISWR, which has the same numerical value. The power standing wave ratio (PSWR) is defined as the square of the SWR.



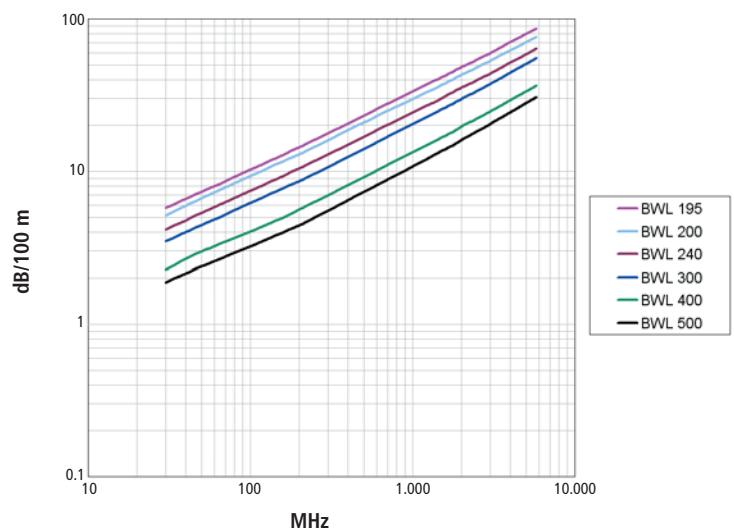
## Attenuation

### What attenuation means?

Attenuation is the reduction in amplitude and intensity of a signal with respect to distance traveled through a medium. Attenuation can also be understood to be the opposite of amplification. Attenuation is an important property in fibre optics and ultrasound applications because of its importance in determining signal strength as a function of distance. Attenuation is usually measured in units of decibels per centimetre of medium (dB/cm) and is represented by the attenuation coefficient of the medium in question.



### Attenuation Chart



## POWER RATING AND ATTENUATION CHART

Freq. MHz	MAX POWER ( $T_a=40^\circ\text{C}$ ; $T_{\text{cond}}=100^\circ\text{C}$ )															
	BWL 195		BWL 200		BWL 240		BWL 240 flex		BWL 300		BWL 400		BWL 400CuPet		BWL 500	
	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m
30	0.88	5.8	0.92	5.2	1.41	4.2	1.41	4.9	2.04	3.5	3.36	2.3	3.36	2.1	4.73	1.9
50	0.68	7.4	0.71	6.7	1.09	5.4	1.09	6.3	1.57	4.5	2.59	3.0	2.59	2.7	3.64	2.4
150	0.39	12.6	0.41	11.4	0.62	9.2	0.62	10.9	0.89	7.6	1.47	4.9	1.47	4.7	2.06	3.9
220	0.32	15.3	0.34	13.8	0.51	11.1	0.51	13.3	0.73	9.2	1.20	6.0	1.20	5.8	1.68	4.7
450	0.22	22.2	0.23	20.0	0.35	16.1	0.35	19.2	0.50	13.4	0.82	8.7	0.82	8.4	1.14	7.0
900	0.16	31.9	0.16	28.5	0.24	23.2	0.24	27.6	0.35	19.4	0.57	12.7	0.57	12.3	0.78	10.2
1500	0.12	41.8	0.13	37.3	0.19	30.5	0.19	36.2	0.26	25.7	0.43	16.8	0.43	16.3	0.59	13.7
1800	0.11	46.0	0.12	41.1	0.17	33.7	0.17	40.0	0.24	28.4	0.39	18.6	0.39	18.1	0.53	15.2
2000	0.10	48.7	0.11	43.4	0.16	35.7	0.16	42.3	0.22	30.2	0.36	19.8	0.36	19.2	0.50	16.2
2500	0.09	55.0	0.10	48.9	0.14	40.3	0.14	47.8	0.20	34.2	0.32	22.5	0.32	21.8	0.44	18.5
3500	0.07	66.1	0.08	58.7	0.12	48.6	0.12	57.4	0.16	41.5	0.26	27.3	0.26	26.5	0.35	22.7
5800	0.05	87.5	0.06	77.3	0.09	64.5	0.09	76.1	0.12	55.8	0.20	36.9	0.20	35.9	0.26	31.1

**What Power rating is?** The power rating of a device is a guideline set by the manufacturer as a maximum power to be used with that device. This limit is usually set somewhat lower than the level where the device will be damaged, to allow a margin of safety.

# BWL 195

50 Ohm Coaxial Cable  
Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: solid soft annealed copper wire	Cu	1.00	± 0.012
Dielectric: Physical foam	PEE gas	2.80	± 0.05
Outer conductor:	Al/Pet/Al Foil: Aluminium/Polyester/Aluminium	12-15-12	
Braid: tinned copper wires	CuSn visual coverage diameter	85% 3.40	
Sheath	N.C. PVC or PE or Duraflam	4.95	± 0.10

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	87±2	pF/m	
Velocity ratio	77%		
Screening efficiency	> 90	dB	
Resistance at 20 °C	inner conductor outer conductor	22.0 14.7	Ohm/km Ohm/km

## ATTENUATION AND MAX POWER

MHz	dB/100m	kW
30	5.8	0.88
50	7.4	0.68
150	12.6	0.39
220	15.3	0.32
450	22.2	0.22
900	31.9	0.16
1500	41.8	0.12
1800	46.0	0.11
2000	48.7	0.10
2500	55.0	0.09
3500	66.1	0.07
5800	87.5	0.05

## MECHANICAL SPECIFICATIONS

Performance property	Units
Bend radius installation	mm 25/50
Weight	kg/km 36.9

## ENVIRONMENTAL SPECIFICATIONS

Performance property	°C
Minimum Installation temperature	-5
Operating temperature range PE	-40/+80
Operating temperature range PVC	-30/+75

# BWL 200

50 Ohm Coaxial Cable  
Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: solid soft annealed copper wire	Cu	1.13	± 0.016
Dielectric: Physical foam	PEE gas	2.95	± 0.05
Outer conductor:	Al/Pet/Al Foil: Aluminium/Polyester/Aluminium coverage	12-15-12 100%	
Braid: tinned copper wires	CuSn visual coverage diameter	81% 3.55	
Sheath	N.C. PVC or PE or Duraflam	4.95	± 0.10

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	81±2	pF/m	
Velocity ratio	83%		
Screening efficiency	> 90	dB	
Resistance at 20 °C	inner conductor outer conductor	17.2 15.0	Ohm/km Ohm/km

## ATTENUATION AND MAX POWER

MHz	dB/100m	kW
30	5.2	0.92
50	6.7	0.71
150	11.4	0.41
220	13.8	0.41
450	20.0	0.23
900	28.5	0.16
1500	37.3	0.13
1800	41.1	0.12
2000	43.4	0.11
2500	48.9	0.10
3500	58.7	0.08
5800	77.3	0.06

## MECHANICAL SPECIFICATIONS

Performance property	Units
Bend radius installation	mm 25/50
Weight	kg/km 37.5

## ENVIRONMENTAL SPECIFICATIONS

Performance property	°C
Minimum Installation temperature	-5
Operating temperature range PE	-40/+80
Operating temperature range PVC	-30/+75

# BWL 240

50 Ohm Coaxial Cable  
Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: solid soft annealed copper wire	Cu	1.40	± 0.02
Dielectric: Physical foam	PEE gas	3.80	± 0.05
Outer conductor:	Al/Pet/Al Foil: Aluminium/Polyester/Aluminium coverage	12-15-12 100%	
Braid: tinned copper wires	CuSn visual coverage diameter	80% 4.40	
Sheath	N.C. PVC or PE or Duraflam	6.10	± 0.10

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	83±2	pF/m	
Velocity ratio	81%		
Screening efficiency	> 90	dB	
Resistance at 20 °C	inner conductor outer conductor	11.2 12.4	Ohm/km Ohm/km

## ATTENUATION AND MAX POWER

MHz	dB/100m	kW
30	4.2	1.41
50	5.4	1.09
150	9.2	0.62
220	11.1	0.51
450	16.1	0.35
900	23.2	0.24
1500	30.5	0.19
1800	33.7	0.17
2000	35.7	0.16
2500	40.3	0.14
3500	48.6	0.12
5800	64.5	0.09

## MECHANICAL SPECIFICATIONS

Performance property	Units
Bend radius installation	mm 30/60
Weight	kg/km 53.7

## ENVIRONMENTAL SPECIFICATIONS

Performance property	°C
Minimum Installation temperature	-5 °C
Operating temperature range PE	-40/+80°C
Operating temperature range PVC	-30/+75°C

# BWL 240 flex

50 Ohm Coaxial Cable  
Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: stranded soft annealed copper wires	Cu	19x0.28	± 0.02
Dielectric: Physical foam	PEE gas	3.80	± 0.05
Outer conductor:	Al/Pet/Al Foil: Aluminium/Polyester/Aluminium coverage	12-15-12 100%	
Braid: tinned copper wires	CuSn visual coverage diameter	80% 4.40	
Sheath	N.C. PVC or PE or Duraflam	6.10	± 0.10

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	84±2	pF/m	
Velocity ratio	80%		
Screening efficiency	> 90	dB	
Resistance at 20 °C	inner conductor outer conductor	14.7 12.4	Ohm/km Ohm/km

## ATTENUATION AND MAX POWER

MHz	dB/100m	kW
30	4.9	1.41
50	6.3	1.09
150	10.9	0.62
220	13.3	0.51
450	19.2	0.35
900	27.6	0.24
1500	36.2	0.19
1800	40.0	0.17
2000	42.3	0.16
2500	47.8	0.14
3500	57.4	0.12
5800	76.1	0.09

## MECHANICAL SPECIFICATIONS

Performance property	Units
Bend radius installation	mm 30/60
Weight	kg/km 53.7

## ENVIRONMENTAL SPECIFICATIONS

Performance property	°C
Minimum Installation temperature	-5 °C
Operating temperature range PE	-40/+80°C
Operating temperature range PVC	-30/+75°C

# BWL 300 50 Ohm Coaxial Cable Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: solid soft annealed copper wire	Cu	1.70	± 0.06
Dielectric: Physical foam	PEE gas	4.80	± 0.10
Outer conductor:	Al/Pet/copo	25-12-25	
	Foil: Aluminium/Polyester/Copolymer coverage	100%	
Braid: tinned copper wires	CuSn		
	visual coverage diameter	83% 5.55	
Sheath	N.C. PVC or PE or Duraflam	7.60	± 0.20

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	86±2	pF/m	
Velocity ratio	78%		
Screening efficiency	> 90	dB	
Resistance at 20 °C	inner conductor outer conductor	7.6 7.4	Ohm/km Ohm/km

## ATTENUATION AND MAX POWER

MHz	dB/100m	kW
30	3.5	2.04
50	4.5	1.57
150	7.6	0.89
220	9.2	0.73
450	13.4	0.50
900	19.4	0.35
1500	25.7	0.26
1800	28.4	0.24
2000	30.2	0.22
2500	34.2	0.20
3500	41.5	0.16
5800	55.8	0.12

## MECHANICAL SPECIFICATIONS

Performance property	Units
Bend radius installation	mm 40/80
Weight	kg/km 84.7

## ENVIRONMENTAL SPECIFICATIONS

Performance property	°C
Minimum Installation temperature	-5 °C
Operating temperature range PE	-40/+80°C
Operating temperature range PVC	-30/+75°C

# BWL 400 50 Ohm Coaxial Cable Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: solid soft annealed copper wire	Cu	2.70	± 0.02
Dielectric: Physical foam	PEE gas	7.20	± 0.10
Outer conductor:	Al/Pet/copo	25-12-25	
	Foil: Aluminium/Polyester/Copolymer coverage	100%	
Braid: tinned copper wires	CuSn		
	visual coverage diameter	83% 7.95	
Sheath	N.C. PVC or PE or Duraflam	10.30	± 0.20

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	80±2	pF/m	
Velocity ratio	83%		
Screening efficiency	> 90	dB	
Resistance at 20 °C	inner conductor outer conductor	3.1 5.8	Ohm/km Ohm/km

## ATTENUATION AND MAX POWER

MHz	dB/100m	kW
30	2.3	3.36
50	3.0	2.59
150	4.9	1.47
220	6.0	1.20
450	8.7	0.82
900	12.7	0.57
1500	16.8	0.43
1800	18.6	0.39
2000	19.8	0.36
2500	22.5	0.32
3500	27.3	0.26
5800	36.9	0.20

## MECHANICAL SPECIFICATIONS

Performance property	Units
Bend radius installation	mm 50/100
Weight	kg/km 149.2

## ENVIRONMENTAL SPECIFICATIONS

Performance property	°C
Minimum Installation temperature	-5 °C
Operating temperature range PE	-40/+80°C
Operating temperature range PVC	-30/+75°C

# BWL 400 CuPet

50 Ohm Coaxial Cable  
Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: solid soft annealed copper wire	Cu	2.70	± 0.02
Dielectric: Physical foam	PEE gas	7.20	± 0.10
Outer conductor:	CuPet	20-23	
	Foil: Copper/Polyester coverage	100%	
Braid: copper wires	Cu		
	visual coverage diameter	50% 7.80	
Sheath	N.C. PVC or PE or Duraflam	10.30	± 0.20

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	80±2	pF/m	
Velocity ratio	83%		
Screening efficiency	> 90	dB	
Resistance at 20 °C	inner conductor outer conductor	3.1 11.5	Ohm/km Ohm/km

## ATTENUATION AND MAX POWER

MHz	dB/100m	kW
30	2.1	3.36
50	2.7	2.59
150	4.7	1.47
220	5.8	1.20
450	8.4	0.82
900	12.3	0.57
1500	16.3	0.43
1800	18.1	0.39
2000	19.2	0.36
2500	21.8	0.32
3500	26.5	0.26
5800	35.9	0.20

## MECHANICAL SPECIFICATIONS

Performance property	Units
Bend radius installation	mm 50/100
Weight	kg/km 139.2

## ENVIRONMENTAL SPECIFICATIONS

Performance property	°C
Minimum Installation temperature	-5 °C
Operating temperature range PE	-40/+80°C
Operating temperature range PVC	-30/+75°C

# BWL 500

50 Ohm Coaxial Cable  
Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: solid soft annealed copper wire	Cu	3.45	± 0.03
Dielectric: Physical foam	PEE gas	9.40	± 0.15
Outer conductor:	Al/Pet/Al	12-15-12	
	Foil: Aluminium/Polyester/Aluminium coverage	100%	
Braid: tinned copper wires	CuSn		
	visual coverage diameter	78% 10.10	
Sheath	N.C. PVC or PE or Duraflam	12.70	± 0.30

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	81±2	pF/m	
Velocity ratio	82%		
Screening efficiency	> 90	dB	
Resistance at 20 °C	inner conductor outer conductor	1.8 5.2	Ohm/km Ohm/km

## ATTENUATION AND MAX POWER

MHz	dB/100m	kW
30	1.9	4.73
50	2.4	3.64
150	3.9	2.06
220	4.7	1.68
450	7.0	1.14
900	10.2	0.78
1500	13.7	0.59
1800	15.2	0.53
2000	16.2	0.50
2500	18.5	0.44
3500	22.7	0.35
5800	31.1	0.26

## MECHANICAL SPECIFICATIONS

Performance property	Units
Bend radius installation	mm 65/130
Weight	kg/km 217.1

## ENVIRONMENTAL SPECIFICATIONS

Performance property	°C
Minimum Installation temperature	-5 °C
Operating temperature range PE	-40/+80°C
Operating temperature range PVC	-30/+75°C

# RG 174/U 50 Ohm Coaxial Cable Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: copper clad steel	CCS	7 x 0.16	± 0.012
Dielectric: Solid Polyethylene	PE solid	1.52	± 0.08
Braid: tinned copper wires	CuSn visual coverage diameter	86% 2.00	
Sheath	PVC	2.80	± 0.12

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	105±2	pF/m	
Velocity ratio	67%		
Screening efficiency	> 40	dB	
Resistance at 20 °C	inner conductor	325.0	Ohm/km
	outer conductor	36.0	Ohm/km

## ATTENUATION AT 20 °C

MHz	dB/100m
5	
10	11.1
50	19.1
100	28.3
200	41.0
400	53.0
1000	98.0
3000	200.0

# RG 58 C/U 50 Ohm Coaxial Cable Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: stranded soft tinned copper wires	CuSn	19x0.18	± 0.016
Dielectric: Solid Polyethylene	PE solid	2.95	± 0.05
Braid: tinned copper wires	CuSn visual coverage diameter	94% 3.45	
Sheath	PVC	4.95	± 0.10

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	100±2	pF/m	
Velocity ratio	66%		
Screening efficiency	> 90	dB	
Resistance at 20 °C	inner conductor	37.5	Ohm/km
	outer conductor	14.0	Ohm/km

## ATTENUATION AT 20 °C

MHz	dB/100m
5	
10	4.7
50	11.2
100	17.8
200	24.0
400	37.5
1000	60.0
3000	120.0

# RG 223/U 50 Ohm Coaxial Cable Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: solid soft silvered copper wire	CuAg	0.90	± 0.012
Dielectric: Solid Polyethylene	PE solid	2.95	± 0.05
Braid 1: tinned copper wires	CuAg		
	visual coverage diameter	94%	3.60
Braid 2: tinned copper wires	CuAg		
	visual coverage diameter	94%	4.20
Sheath	PVC	5.40	± 0.08

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	105±2	pF/m	
Velocity ratio	67%		
Screening efficiency	> 85	dB	
Resistance at 20 °C	inner conductor	27.5	Ohm/km
	outer conductor	6.5	Ohm/km

## ATTENUATION AT 20 °C

MHz	dB/100m
5	
10	4.5
50	9.6
100	14.0
200	20.2
400	29.0
1000	48.0
3000	100.0

# RG 213/U 50 Ohm Coaxial Cable Wireless Local Loop



## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: stranded soft annealed copper wires	Cu	7x0.75	± 0.012
Dielectric: Solid Polyethylene	PE solid	7.25	± 0.10
Braid: copper wires	CuSn		
	visual coverage diameter	97%	7.95
Sheath	PVC	10.30	± 0.20

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	100±2	pF/m	
Velocity ratio	66%		
Screening efficiency	> 55	dB	
Resistance at 20 °C	inner conductor	5.5	Ohm/km
	outer conductor	4.0	Ohm/km

## ATTENUATION AT 20 °C

MHz	dB/100m
5	
10	1.8
50	4.6
100	6.6
200	10.0
400	15.0
1000	28.0
3000	52.0





## CONSTRUCTION AND DIMENSIONS

	materials	dimensions mm	tolerance
Inner conductor: stranded copper clad steel wires	CuAg	2.30	± 0.016
Dielectric: Solid Polyethylene	PE solid	7.25	± 0.05
Braid 1: silver plated copper wires	CuAg		
	visual coverage diameter	85%	8.00
Braid 2: silver plated copper wires	CuAg		
	visual coverage diameter	85%	8.70
Sheath	PVC	10.80	± 0.20

## ELECTRICAL CHARACTERISTICS

Impedance	50±2	Ohm	
Capacitance	100±2	pF/m	
Velocity ratio	66%		
Screening efficiency	> 71	dB	
Resistance at 20 °C	inner conductor	5.6	Ohm/km
	outer conductor	3.5	Ohm/km

## ATTENUATION AT 20 °C

MHz	dB/100m
5	
10	1.8
50	4.6
100	6.6
200	10.0
400	15.0
1000	28.0
3000	52.0

# CONNECTORS REFERENCE

Connector type	Connector manufacturer	BWL 195	BWL 200	BWL 240	BWL 240 flex	BWL 300	BWL 400 BWL 400CuPet	BWL 500
QMA	PPC							
	CABELCON							
	TELEGARTNER							
	RADIALL			R123.177.100	R123.177.100			
SMA-COM	PPC							
	CABELCON							
	TELEGARTNER							
	RADIALL	R124.175.110	R124.075.200	R124.314.223	R124.314.223		R124.080.030	
SMA	PPC							
	CABELCON							
	TELEGARTNER		J01150A0648	J01150A0618				
	RADIALL		R125.076.201					
TNC	PPC							
	CABELCON						66020105 TNC MALE/50-201/50 AG/AG	
	TELEGARTNER	J01010A0000		J1010A0035			J1010A0049	
	RADIALL	R143.082.027	R143.082.200			00-0400-739		
N	PPC							
	CABELCON						76020104. NM/50-201/50 AG/PIN 78020104. NF/50-201/50 AG/PIN	
	TELEGARTNER	J01020A0036		J01020A0119			J1020A0127	J1020A0055 male J01021A0119 female
	RADIALL	R161.082.120	R161.082.200	R161.075.030	R161.075.030	00-0400-738	R161.075.036	
QN	PPC							
	CABELCON							
	TELEGARTNER							
	RADIALL					R164.081.020	R164.080.020	
7/16	PPC							
	CABELCON						50020105 7/16M-201/50 AG/AG	
	TELEGARTNER	J01120A0070						
	RADIALL		R185.082.027					03-0400-077
R-MCX	PPC							
	CABELCON							
	TELEGARTNER							
	RADIALL							

The afore-mentioned technical data are purely indicative and therefore uncomplete. For major informations, please visit the websites of the respective manufacturing companies.