

# 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	12-15-12	
	Foil: Aluminium/Polyester/Aluminium		
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	22.0	Ohm/km
	outer conductor	14.7	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	12-15-12	
	Foil: Aluminium/Polyester/Aluminium coverage	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	17.2	Ohm/km
	outer conductor	15.0	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