



BWL 195 50 Ohm Coaxial Cable WLL Wireless Local Loop



Construction and Dimensions

	materials	dimensions	tolerance
		mm	mm
A. Inner conductor: Copper wires	Cu	1,00	±0,012
B. Dielectric: Foam polyethylene gas injected	PEE gas	2,80	±0,05
C. Outer conductor Foil: Aluminium/Polyester/Aluminium	Al/Pet/Al	9-12-9 µm coverage 100% breadth 12	
D. Braid: Tinned copper wire Coverage : Visual coverage diameter over the screen lay	CuSn	16x6x0,12 85% 3,35 30	
E. Sheath	Pvc	4,95	±0,10

Electrical Characteristics

Impedance :		50 ± 2	Ω
Capacitance :		87 ± 2	pF/m
Velocity ratio :		77%	
Screening efficiency		>90	dB
Resistance at 20° C	Inner conductor	22	Ω/km
	Outer conductor	15,3	Ω/km

Attenuation at 20° C

MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
30	5,8	220	15,3	1500	41,9	2500	55,3
50	7,4	450	22,2	1800	46,2	5800	88,2
150	12,6	900	32,0	2000	49,0		

MAX POWER (T_a= 40° C; T_{cond}=100°C)

MHz	kW	MHz	kW	MHz	kW	MHz	kW
30	0,88	220	0,32	1500	0,12	2500	0,09
50	0,68	450	0,22	1800	0,11	5800	0,05
150	0,39	900	0,16	2000	0,10		

Mechanical Characteristics

Minumum static bending radius :	25/50	mm
Total weight :	36,9	kg/km
Operating temperature :	-40°C to +70°C	