GOLDWING
CABLING FOR INDUSTRY

LCC 100 (CAI) Technical Data Sheet

Characteristic Impedance	Capacitance	Velocity Ratio	DCR Inner Conductor	DCR Outer Conductor	Jacket Sparker
75 ± 3ohm	54 pF/m	>82%	<26 ohm/km	<15 ohm/km	5000VCA

Dielectric Strength	Insulation Resistance	Min. Bending Radius	Max. Pulling Tension	Crush Resistance (load of 700N)	Storage Temperature
1500VCA	>10000 MΩ km	Installation 23mm Repeated 70mm	460N	<1%	Storage -20ºC to +75ºC Outdoor –5ºC

Conductor: Diameter:	Solid bare copper 1 x 1.0(±0.02)mm
Insulation: Diameter:	FPE (Foam Polyethylene) 4.7(±0.15)mm
Shield:	Aluminium-Polyester foil
Braid:	Tinned copper wire braid. 55% coverage (±3)
Jacket: Diameter:	PVC 6.55(±0.30)mm
Cert No.:	#CAI 0102B

Return Loss	
5 - 470 MHz	> 23dB
470 - 862 MHz	> 20dB
862 - 2150 MHz	> 18 dB

Attenuation @ 20ºC	
5 MHz	< 1.6 dB/100
50 MHz	< 4.6 dB/100
100 MHz	< 6.5 dB/100
200 MHz	< 9.5 dB/100
460 MHz	< 15 dB/100
860 MHz	< 19.5 dB/100
1000 MHz	< 21.5 dB/100
1750 MHz	< 29 dB/100
2150 MHz	< 32.5 dB/100

Screening Attenuation	
30- 300 MHz	> 85 dB
300 - 470MHz	> 80 dB
470 - 1000MHz	> 75 dB
1000 - 2150MHz	> 65 dB

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