



All dimensions are in mm; tolerances according to ISO 2768 c

Parts

Connector 1	DIN female 60K137-C08N1
Connector 2	N male 53S137-C08N1
Cable	1/2" super-flex cable with PE jacket
Bend Protection	Molding
Label	Label Stick

Available Variants Weight

Part Number	Customer Number	Length A[mm]	C[mm]	Insertion Loss ≤(dB) at 3.0 GHz	Weight [Gram]
LC08-101-500	N/A	500±5	200±10	0.21	162
LC08-101-1000	N/A	1000±10	200±10	0.32	246
LC08-101-1500	N/A	1500±15	200±10	0.43	332
LC08-101-2000	N/A	2000±20	200±10	0.54	417
LC08-101-3000	N/A	3000±30	200±10	0.77	588
LC08-101-5000	N/A	5000±50	200±10	1.20	930
LC08-101-8000	N/A	8000±80	200±10	1.86	1442

Nominal values @20°C ambient temperature

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/05.10/6.0

Electrical data

Impedance	50 Ω
Frequency	DC to 3.0 GHz
Return loss	≤ -28dB DC to 1.0 GHz ≤ -26dB 1.0 to 2.2 GHz ≤ -23dB 2.2 to 3.0 GHz
Insertion loss	See table available variants
DC breakdown voltage	2500 V rms
Power handling(at 20°C, sea level.VSWR 1.0)	800 W @ 1.0 GHz 500 W @ 2.0 GHz
Intermodulation(3 rd Order)	≤-117 dBm @ 2×20 W@910MHz

Mechanical data

Minimum bending radius	
single	25 mm
repeated	35 mm
Max. tensile strength	450N

Environmental data

Temperature range	-45 °C to +85 °C
Degree of protection (mated pair)	IEC 60529, IP68 (20°C, 1m, 1.5H)
RoHS	compliant

Notice: The jumper just for indoor application, If for outdoor application, the jumper should be covered with weather proof kits (Mastic tape and electrical tape) at same time.

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Checker	Approved	Date	Rev.	Engineering change number	Name	Date
Fuhao	25/01/16	Huangh	Heany	25/01/16	e	-----	Fuhao	25/01/16