

CryoCoax Cable Selector

A division of Intelliconnect

Part Number	Outer Diameter	Outer Cond. Material	Inner Cond. Material	Inner Cond. Plating	Dielectric Material	Thermal Conductivity at 4k†	Max Frequency GHz	Min Inside Bend Radius (mm)	Available Lengths	Solderability	Applications	SMA Plugs	SMA Bulkhead Jacks	2.9mm Plugs	2.9mm Bulkhead Jacks	SMP Female Contact
BCB009	0.034 (In) 0.86 (mm)	Cupronickel	Cupronickel	N/A	PTFE	9.8	154	3.2	1m, 2m	Very Good	Cryogenic	B5139-PINN-152-100G	N/A	N/A	N/A	N/A
BCB016	0.034 (In) 0.86 (mm)	Beryllium Copper	Beryllium Copper	N/A	PTFE	51	154	3.2	1m, 2m	Very Good	Cryogenic, Non-Magnetic	B5139-PINN-152-100G	N/A	N/A	N/A	N/A
BCB022	0.034 (In) 0.86 (mm)	Beryllium Copper	Beryllium Copper	Silver Plated	PTFE	172	154	3.2	1m, 2m	Very Good	Cryogenic, Non-Magnetic	B5139-PINN-152-100G	N/A	N/A	N/A	N/A
BCB012	0.034 (In) 0.86 (mm)	Niobium Titanium	Niobium Titanium	N/A	PTFE	4.63	154	3.2	1m	Difficult*	Cryogenic Super Conducting Non-Magnetic	B5139-PINN-152-100G	N/A	N/A	N/A	N/A
BCB024	0.034 (In) 0.86 (mm)	Cupronickel	Cupronickel	Silver Plated	PTFE	70.7	154	3.2	1m, 2m	Very Good	Cryogenic	B5139-PINN-152-100G	N/A	N/A	N/A	N/A
BCB029	0.034 (In) 0.86 (mm)	304 Stainless Steel	304 Stainless Steel	N/A	PTFE	7.4	154	3.2	1m, 2m	Acceptable	Cryogenic	B5139-PINN-152-100G	N/A	N/A	N/A	N/A
BCB033	0.034 (In) 0.86 (mm)	304 Stainless Steel	304 Stainless Steel	Silver Plated	PTFE	68.4	154	3.2	1m, 2m	Acceptable	Cryogenic	B5139-PINN-152-100G	N/A	N/A	N/A	N/A
BCB006	0.047 (In) 1.19 (mm)	Beryllium Copper	Beryllium Copper	Silver Plated	PTFE	177	108	3.2	1m, 2m	Acceptable	Cryogenic, Non-Magnetic	5139-PINN-611-100P (SOLDERLESS), 5141-PINN-611-100G (NON MAG), B5139-PINN-111-100G	5139-71BK-611-100P (SOLDERLESS)	5169-PINN-611-100G (SOLDERLESS), B5169-PINN-111-100P	N/A	5161-PINN-611-100G (SOLDERLESS), 5161-PINN-611-101G (NON MAG), B5161-PINN-111-100G, B5161-PINN-111-101G

Click on a part number for more information.

* - Only with specialised equipment. Recommend use of Solderless Connector.
† - x10⁶ W. cm/k

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BCB007	0.047 (In) 1.19 (mm)	Niobium Titanium	Niobium Titanium	N/A	PTFE	7.54	108	5	1m	Difficult*	Cryogenic Super Conducting Non-Magnetic	5139-PINN-611-100P (SOLDERLESS) , 5141-PINN-611-100G (NON MAG)	5139-21BK-611-100P (SOLDERLESS)	5169-PINN-611-100G (SOLDERLESS)	N/A	5161-21NN-611-100G (SOLDERLESS) , 5161-21NN-611-101G (NON MAG)
BCB019	0.047 (In) 1.19 (mm)	304 Stainless Steel	304 Stainless Steel	N/A	PTFE	13.2	108	3.2	1m, 2m	Acceptable	Cryogenic	5139-PINN-611-100P (SOLDERLESS) , 5141-PINN-611-100G (NON MAG) , B5139-PINN-111-100G	5139-21BK-611-100P (SOLDERLESS)	5169-PINN-611-100G (SOLDERLESS) , B5169-PINN-111-100P	N/A	5161-21NN-611-100G (SOLDERLESS) , 5161-21NN-611-101G (NON MAG) , B5161-21NN-111-100G , B5161-21NN-111-101G
BCB028	0.047 (In) 1.19 (mm)	304 Stainless Steel	304 Stainless Steel	Silver Plated	PTFE	99.5	108	3.2	1m, 2m	Acceptable	Cryogenic	5139-PINN-611-100P (SOLDERLESS) , 5141-PINN-611-100G (NON MAG) , B5139-PINN-111-100G	5139-21BK-611-100P (SOLDERLESS)	5169-PINN-611-100G (SOLDERLESS) , B5169-PINN-111-100P	N/A	5161-21NN-611-100G (SOLDERLESS) , 5161-21NN-611-101G (NON MAG) , B5161-21NN-111-100G , B5161-21NN-111-101G
BCB021	0.047 (In) 1.19 (mm)	Cupronickel	Cupronickel	N/A	PTFE	17.4	108	3.2	1m, 2m	Very Good	Cryogenic	5139-PINN-611-100P (SOLDERLESS) , 5141-PINN-611-100G (NON MAG) , B5139-PINN-111-100G	5139-21BK-611-100P (SOLDERLESS)	5169-PINN-611-100G (SOLDERLESS) , B5169-PINN-111-100P	N/A	5161-21NN-611-100G (SOLDERLESS) , 5161-21NN-611-101G (NON MAG) , B5161-21NN-111-100G , B5161-21NN-111-101G
BCB025	0.047 (In) 1.19 (mm)	Cupronickel	Cupronickel	Silver Plated	PTFE	104	108	3.2	1m, 2m	Very Good	Cryogenic	5139-PINN-611-100P (SOLDERLESS) , 5141-PINN-611-100G (NON MAG) , B5139-PINN-111-100G	5139-21BK-611-100P (SOLDERLESS)	5169-PINN-611-100G (SOLDERLESS) , B5169-PINN-111-100P	N/A	5161-21NN-611-100G (SOLDERLESS) , 5161-21NN-611-101G (NON MAG) , B5161-21NN-111-100G , B5161-21NN-111-101G
BCB034	0.047 (In) 1.19 (mm)	Beryllium Copper	Beryllium Copper	N/A	PTFE	91	108	3.2	1m, 2m	Very Good	Cryogenic, Non-Magnetic	5139-PINN-611-100P (SOLDERLESS) , 5141-PINN-611-100G (NON MAG) , B5139-PINN-111-100G	5139-21BK-611-100P (SOLDERLESS)	5169-PINN-611-100G (SOLDERLESS) , B5169-PINN-111-100P	N/A	5161-21NN-611-100G (SOLDERLESS) , 5161-21NN-611-101G (NON MAG) , B5161-21NN-111-100G , B5161-21NN-111-101G
BCB002	0.086 (In) 2.19 (mm)	Niobium Titanium	Niobium Titanium	N/A	PTFE	26.4	61	10	1m, 0.5m	Difficult*	Cryogenic Super Conducting Non-Magnetic	5139-PINN-603-100P (SOLDERLESS) , 5141-PINN-603-100G (NON MAG)	5139-21BK-603-101P (SOLDERLESS)	5169-PINN-603-102P (SOLDERLESS) , MODIFIED CONTACT TO MINIMISE RESISTANCE	N/A	N/A
BCB010	0.086 (In) 2.19 (mm)	Cupronickel	Cupronickel	N/A	PTFE	63	61	3.2	1m, 2m	Very Good	Cryogenic	5139-PINN-603-100P (SOLDERLESS) , 5141-PINN-603-100G (NON MAG) , 5139-PINN-103-102P , 5139-PINN-103-102G	5139-21BK-603-101P (SOLDERLESS) , 5139-21BK-103-102G	5169-PINN-603-100P (SOLDERLESS) , 5169-PINN-103-101P , B5169-PINN-103-101P	5169-21BK-103-101P	B5161-21NN-103-100G
BCB015	0.086 (In) 2.19 (mm)	Cupronickel	Cupronickel	Silver Plated	PTFE	218	61	3.2	1m, 2m	Very Good	Cryogenic	5139-PINN-603-100P (SOLDERLESS) , 5141-PINN-603-100G (NON MAG) , 5139-PINN-103-102P , 5139-PINN-103-102G	5139-21BK-603-101P (SOLDERLESS) , 5139-21BK-103-102G	5169-PINN-603-100P (SOLDERLESS) , 5169-PINN-103-101P , B5169-PINN-103-101P	5169-21BK-103-101P	B5161-21NN-103-100G

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BCB008	0.086 (In) 2.19 (mm)	Niobium	Niobium	N/A	PTFE	483	61	10	1m	Difficult*	Cryogenic Super Conducting Non-Magnetic	5139-P1NIN-603-100P (SOLDERLESS), 5141-P1NIN-603-100G (NON MAG)	5139-21BK-603-101P (SOLDERLESS)	5169-P1NIN-603-100P (SOLDERLESS), 5169-P1NIN-603-102P (SOLDERLESS), MODIFIED CONTACT TO MINIMISE RESISTANCE)	N/A	N/A
BCB014	0.086 (In) 2.19 (mm)	304 Stainless Steel	304 Stainless Steel	N/A	PTFE	43	61	6.4	1m, 2m	Acceptable	Cryogenic	5139-P1NIN-603-100P (SOLDERLESS), 5141-P1NIN-603-100G (NON MAG), 5139-P1NIN-103-102P, 5139-P1NIN-103-102G	5139-21BK-603-101P (SOLDERLESS), 5139-21BK-103-102G	5169-P1NIN-603-100P (SOLDERLESS), 5169-P1NIN-103-101P, B5169-P1NIN-103-101P	5169-21BK-103-101P	B5161-21NIN-103-100G
BCB018	0.086 (In) 2.19 (mm)	Beryllium Copper	Beryllium Copper	Silver Plated	PTFE	488	61	6.4	1m, 2m	Very Good	Cryogenic, Non-Magnetic	5139-P1NIN-603-100P (SOLDERLESS), 5141-P1NIN-603-100G (NON MAG), 5139-P1NIN-103-102P, 5139-P1NIN-103-102G	5139-21BK-603-101P (SOLDERLESS), 5139-21BK-103-102G	5169-P1NIN-603-100P (SOLDERLESS), 5169-P1NIN-103-101P, B5169-P1NIN-103-101P	5169-21BK-103-101P	B5161-21NIN-103-100G
BCB011	0.086 (In) 2.19 (mm)	Beryllium Copper	Beryllium Copper	N/A	PTFE	488	61	6.4	1m, 2m	Very Good	Cryogenic, Non-Magnetic	5139-P1NIN-603-100P (SOLDERLESS), 5141-P1NIN-603-100G (NON MAG), 5139-P1NIN-103-102P, 5139-P1NIN-103-102G	5139-21BK-603-101P (SOLDERLESS), 5139-21BK-103-102G	5169-P1NIN-603-100P (SOLDERLESS), 5169-P1NIN-103-101P, B5169-P1NIN-103-101P	5169-21BK-103-101P	B5161-21NIN-103-100G
BCB032	0.086 (In) 2.19 (mm)	304 Stainless Steel	304 Stainless Steel	Silver Plated	PTFE	202	61	6.4	1m, 2m	Acceptable	Cryogenic	5139-P1NIN-603-100P (SOLDERLESS), 5141-P1NIN-603-100G (NON MAG), 5139-P1NIN-103-102P, 5139-P1NIN-103-102G	5139-21BK-603-101P (SOLDERLESS), 5139-21BK-103-102G	5169-P1NIN-603-100P (SOLDERLESS), 5169-P1NIN-103-101P, B5169-P1NIN-103-101P	5169-21BK-103-101P	B5161-21NIN-103-100G
BCB020	0.086 (In) 2.19 (mm)	304 Stainless Steel	Beryllium Copper	Silver Plated	PTFE		61	3.4		Acceptable	Cryogenic	5139-P1NIN-603-100P (SOLDERLESS), 5141-P1NIN-603-100G (NON MAG), 5139-P1NIN-103-102P, 5139-P1NIN-103-102G	5139-21BK-603-101P (SOLDERLESS), 5139-21BK-103-102G	5169-P1NIN-603-100P (SOLDERLESS), 5169-P1NIN-103-101P, B5169-P1NIN-103-101P	5169-21BK-103-101P	B5161-21NIN-103-100G
BCB013	0.141 (In) 3.58 (mm)	304 Stainless Steel	304 Stainless Steel	Silver Plated	PTFE	378	34	10	1m, 2m	Acceptable	Cryogenic	5139-P1NIN-604-100P (SOLDERLESS)	N/A	N/A	N/A	N/A

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