



***Cicoil Corporation - Engineering Reports
Summary Results of Continuous Flex Testing Performed in Cicoil Engineering Test Lab***

Product Name	Description	Bend Radius (in.)	# of Flex Cycles	Result
Camera Link	28 AWG TPS (11X)	1.7	12 million	Test Stopped, No Physical/Electrical Defects
Cat 5e	30 AWG TPS (4X)	1.4	15 million	Test Stopped, No Physical/Electrical Defects
Cat 6A	24 AWG TPS (4X)	1.5	15 million	Test Stopped, No Physical/Electrical Defects
Controlled Impedance	30 AWG TPS (4X)	1.5	15 million	Test Stopped, No Physical/Electrical Defects
EZ-Flexx Motion Series Plus- 1 Axis	22 AWG TPS (3X), 28 AWG 5 TP Overall Shield (2X)	1.5	15 million	Test Stopped, No Physical/Electrical Defects
FireWire	22 AWG SS (2X), 28 AWG TPS (2X)	1.8	12 million	Test Stopped, No Physical/Electrical Defects
Flexible Coax 50 ohm	30 AWG SS (4X)	1.2	12 million	Test Stopped, No Physical/Electrical Defects
Flexible Coax 75 ohm	30 AWG SS (4X)	1.8	12 million	Test Stopped, No Physical/Electrical Defects
Hi Flex Multi-conductor	16 AWG (8X)	1.4	20 million	Test Stopped, No Physical/Electrical Defects
Hi Flex Single Conductor	16 AWG (1X)	2.0	20 million	Test Stopped, No Physical/Electrical Defects
Hi Flex Motor Power	16 AWG SS (4X)	1.7	15 million	Test Stopped, No Physical/Electrical Defects
Hi Flex Shielded Signal	24 AWG TPS (3X)	1.4	15 million	Test Stopped, No Physical/Electrical Defects
Motion Series 1 Axis	28 AWG SS (8X), 22 AWG SS (4X)	0.75	15 million	Test Stopped, No Physical/Electrical Defects
Motion Series 2 Axis	28 AWG SS (8X), 18 AWG SS (4X)	1.00	12 million	Test Stopped, No Physical/Electrical Defects
Motion Series 3 Axis	28 AWG SS (8X), 14 AWG SS (4X)	1.20	12 million	Test Stopped, No Physical/Electrical Defects
Motion Series Plus - 1 Axis	22 AWG TPS (3X), 28 AWG 5 TP Overall Shield (2X)	1.5	12 million	Test Stopped, No Physical/Electrical Defects
Thermocouple Type J	28 AWG (4X)	1.4	12 million	Test Stopped, No Physical/Electrical Defects
Thermocouple Type K	28 AWG (4X)	1.4	12 million	Test Stopped, No Physical/Electrical Defects
USB 2.0	24 AWG SS (2X), 30 AWG TPS (1X)	1.5	12 million	Test Stopped, No Physical/Electrical Defects
USB 3.0	24 AWG SS (2X), 28 AWG TPS (3X)	1.3	15 million	Test Stopped, No Physical/Electrical Defects
Custom Hybrid	26 AWG SS, 24 AWG TPS (17X), 32 AWG TPS (12X)	1.75	30 million	Test Stopped, No Physical/Electrical Defects
Custom Hybrid	20 AWG SS (14X), 24 AWG SS (24X)	1.75	30 million	Test Stopped, No Physical/Electrical Defects

- Tests were performed under continuous flex, via automated actuators, in Cicoil Engineering Test Lab

- CICOIL Confidential Information – April 2018

SI= Single Insulated

SS= Single Shielded

SH= Shielded

TPS= Twisted Pair Shielded