



End-to-End, MKJ Warrior Cordset Assemblies

Cannon expands its robust, Nett Warrior & GOSSRA approved, MKJ Warrior connectors to include a full range of military-grade, cordset cable options.

Cannon expands its Nett Warrior Qualified portfolio, now featuring seamless, point-to-point cordset cable systems designed for optimal performance between end-user devices and power/data hubs. These robust, military-grade cable systems leverage Cannon's MKJ qualified Nett Warrior-to-Nett Warrior and Nett Warrior-to-ruggedized USB-C data transmission connectors. Available with straight or right-angle connectors, that are overmolded onto Flexible Round-Polyurethane, Round-Silicon, Flat-Silicon, or Nomex™, ensuring durability and reliability in the most demanding environments.



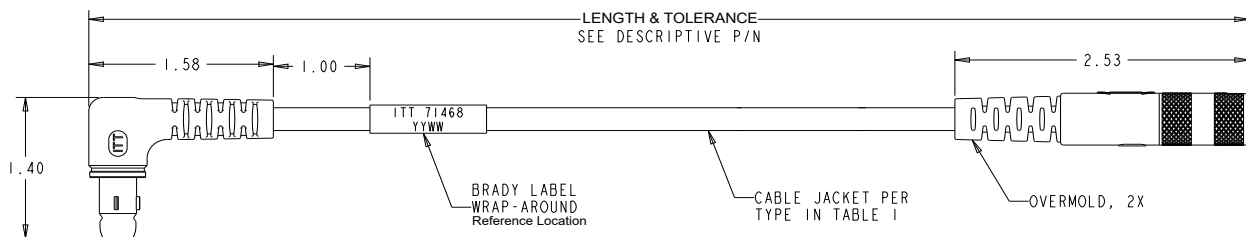
Features & Benefits

- Nett Warrior & GOSSRA approved connectors:
Plug: MKJ4A6Z6-6PC-K140
NSN: 5935016595575
Receptacle: MKJ4A6Z6-6SC-K140
NSN: 5935016594090
- Shell size 6, with 6 contacts or USB-C
- First mate, last break (FMLB) ground pin
- Environmentally sealed cable solution with Round-Polyurethane, Round-Silicon, Flat-Silicon, or Nomex™
- Straight or 90°, right angle termination with customizable cable lengths

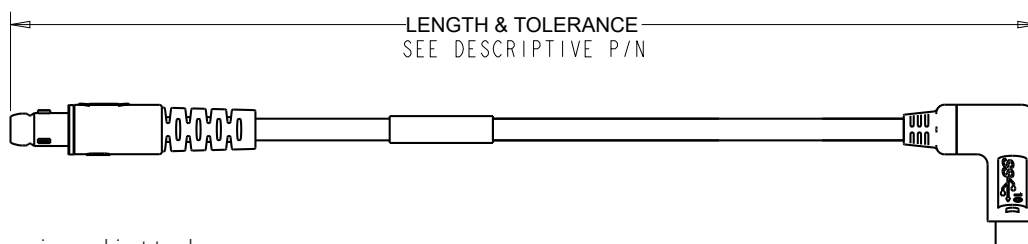
Cordset Dismounted Soldier Applications:

Radio Communications, Headset and Push-to-Talk (PTT), Power and Data Hubs, Batteries (CW and STUB), End-User-Device (EUD) and Displays, Power Charging and Scavenging, Night and Thermal Vision, Visual Augmentation System, Position, Navigation and Timing (PNT), Helmet and Body Cameras, Weapons' Sights, and Body Conformal Cabling System.

Nett Warrior Cordset



Nett Warrior to USB-C Cordset



MKJ Warrior Cordset Cable Ordering Guide



1: Series	2: Style	3: Cordset Type	4: Length
MKJ4NW	-CS	-A	-012

1 - Series		2 - Style	
MKJ4NW	Breakaway MKJ4 Nett Warrior	-CS	Cordset

3- Type (Connector and Jacket Type)			
A	Straight Plug, Single-Ended, Round Polyurethane	MM	Straight Plug, Double-Ended, Flat-Silicon
AA	Straight Plug, Double-Ended, Round Polyurethane	N	Straight Plug to Straight Receptacle, Flat-Silicon
B	Straight Plug to Straight Receptacle, Round Polyurethane	P	Right Angle Plug, Single-Ended, Flat-Silicon
C	Right Angle Plug, Single-Ended, Round Polyurethane	PP	Right Angle Plug, Double-Ended, Flat-Silicon
CC	Right Angle Plug, Double-Ended, Round Polyurethane	R	Right Angle Plug to Straight Receptacle, Flat-Silicon
D	Right Angle Plug to Straight Receptacle, Round Polyurethane	S	Straight Receptacle, Single-Ended, Flat-Silicon
E	Straight Receptacle, Single-Ended, Round Polyurethane	SS	Straight Receptacle, Double-Ended, Flat-Silicon
EE	Straight Receptacle, Double-Ended, Round Polyurethane	T	Straight Plug, Single-Ended, Round Silicon
G	Straight Plug, Single-Ended, Nomex over Round Polyurethane	TT	Straight Plug, Double-Ended, Round Silicon
GG	Straight Plug, Double-Ended, Nomex over Round Polyurethane	U	Straight Plug to Straight Receptacle, Round Silicon
H	Straight Plug to Straight Receptacle, Nomex over Round Polyurethane	V	Right Angle Plug, Single-Ended, Round Silicon
J	Right Angle Plug, Single-Ended, Nomex over Round Polyurethane	VV	Right Angle Plug, Double-Ended, Round Silicon
JJ	Right Angle Plug, Double-Ended, Nomex over Round Polyurethane	W	Right Angle Plug to Straight Receptacle, Round Silicon
K	Right Angle Plug to Straight Receptacle, Nomex over Round Polyurethane	Z	Straight Receptacle, Single-Ended, Round Silicon
L	Straight Receptacle, Single-Ended, Nomex over Round Polyurethane	ZZ	Straight Receptacle, Double-Ended, Round Silicon
LL	Straight Receptacle, Double-Ended, Nomex over Round Polyurethane	A1	Straight Plug, ST USB-C, Round Polyurethane
M	Straight Plug, Single-Ended, Flat-Silicon	A2	Straight Plug, RA USB-C, Round Polyurethane

4 - Standard Length in Inches- Consult Factory for additional cable length options											
ID	Length	Tolerance	ID	Length	Tolerance	ID	Length	Tolerance	ID	Length	Tolerance
-006	6 inches	+1.00/- 0	-024	24 inches	+1.00/- 0	-048	48 inches	+2.00/- 0	-120	120 inches	+3.00/- 0
-012	12 inches	+1.00/- 0	-030	30 inches	+1.00/- 0	-072	72 inches	+2.00/- 0	-144	144 inches	+5.00/- 0
-018	18 inches	+1.00/- 0	-036	36 inches	+2.00/- 0	-096	96 inches	+2.00/- 0	-168	168 inches	+5.00/- 0

* USB-C not part of Nett Warrior Qualification

Straight Plug, Single Ended - Type A, G, M, T



Sample Part Number	Type	Length
MKJ4NW-CS-A-024	A	24
MKJ4NW-CS-G-030	G	30
MKJ4NW-CS-M-048	M	48

Straight Plug, Double Ended - Type AA, GG, MM, TT



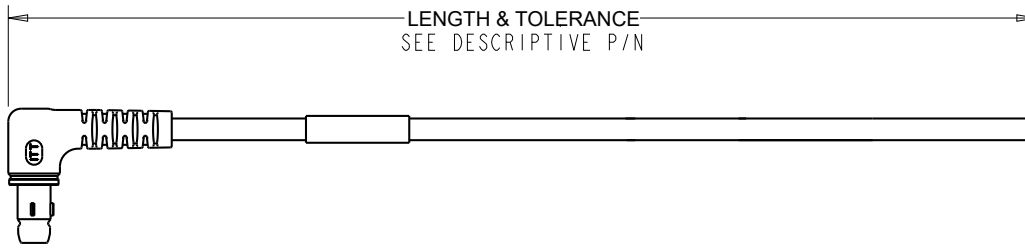
Sample Part Number	Type	Length
MKJ4NW-CS-AA-012	AA	12
MKJ4NW-CS-GG-018	GG	18
MKJ4NW-CS-MM-036	MM	36

Straight Plug to Straight Receptacle - Type B, H, N, U



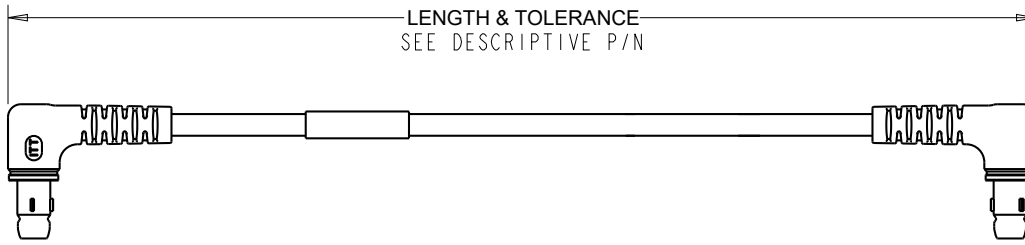
Sample Part Number	Type	Length
MKJ4NW-CS-B-096	B	96
MKJ4NW-CS-H-120	H	120
MKJ4NW-CS-N-144	N	144

Right Angle Plug, Single Ended - Type C, J, P, V



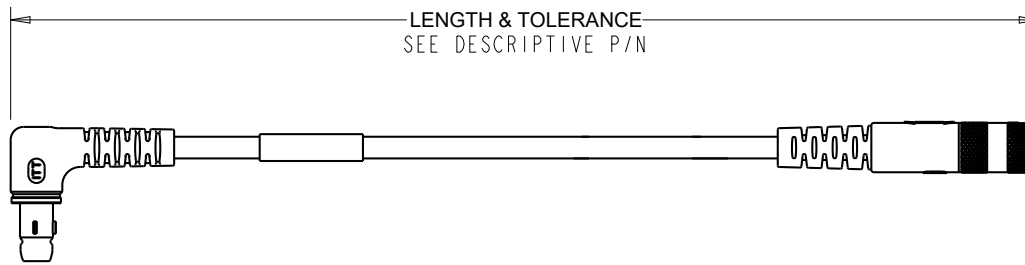
Sample Part Number	Type	Length
MKJ4NW-CS-C-012	C	12
MKJ4NW-CS-J-120	J	120
MKJ4NW-CS-P-144	P	144

Right Angle Plug, Double Ended - Type CC, JJ, PP, VV



Sample Part Number	Type	Length
MKJ4NW-CS-CC-096	C	96
MKJ4NW-CS-JJ-030	J	30
MKJ4NW-CS-PP-048	P	48

Right Angle Plug to Straight Receptacle - Type D, K, R, W



Sample Part Number	Type	Length
MKJ4NW-CS-D-006	D	6
MKJ4NW-CS-K-012	K	12
MKJ4NW-CS-R-018	R	18

Straight Receptacle, Single Ended - Type E, L, S, Z



Sample Part Number	Type	Length
MKJ4NW-CS-E-048	E	48
MKJ4NW-CS-L-072	L	72
MKJ4NW-CS-S-096	S	96

Straight Receptacle, Double Ended - Type EE, LL, SS, ZZ



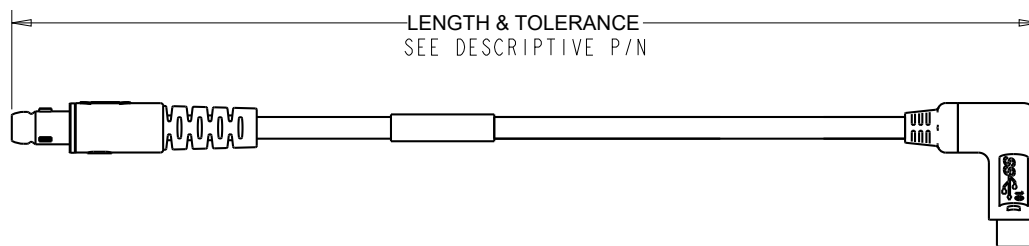
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MKJ4NW-CS-EE-120	EE	120
MKJ4NW-CS-LL-030	LL	30
MKJ4NW-CS-SS-168	SS	168

USB-C Straight Plug, Single End - A1



Sample Part Number	Type	Length
MKJ4NW-CS-A1-048	A1	48
MKJ4NW-CS-A1-012	A1	12
MKJ4NW-CS-A1-072	A1	72

USB-C Right Angle Plug, Single End - A2



Sample Part Number	Type	Length
MKJ4NW-CS-A2-030	A2	30
MKJ4NW-CS-A2-144	A2	144
MKJ4NW-CS-A2-072	A2	72

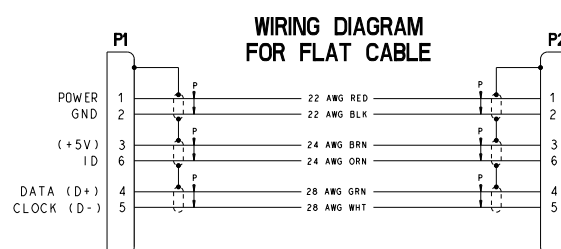
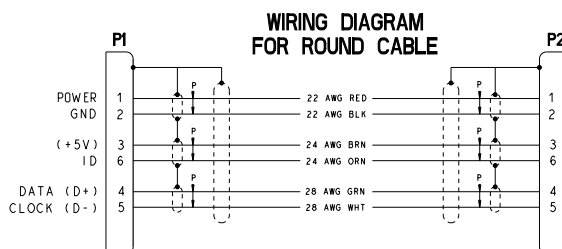
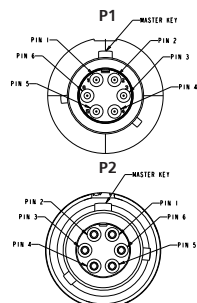
Test Standards for MKJ Warrior (Nett Warrior) Connectors

Test	Methods and Requirements
Electrical Test	IR, DWV and Continuity
Breakaway Force	10 ± 3 pounds
Strength	100-pound pull, 30 seconds
Altitude	MIL-STD-810H, Method 500.6, Procedure I and II
High Temperature	MIL-STD-810H, Method 501.7, Procedure I and II
Low Temperature	MIL-STD-810H, Method 502.7, Procedure II
Solar Radiation	MIL-STD-810H, Method 505.7, Procedure I, Cycle A1
Humidity	MIL-STD-810H, Method 507.6, Procedure I, Cycle B-2

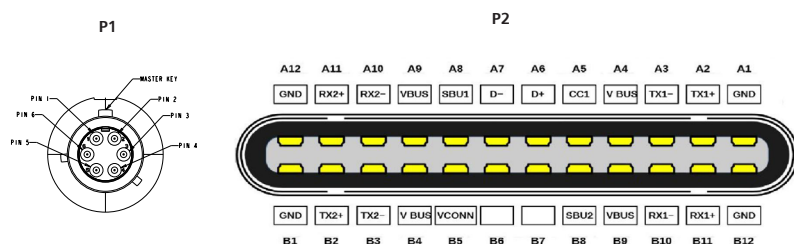
Test	Methods and Requirements
Snow and Ice	MIL-STD-810H, Method 521.4
Salt Atmosphere	MIL-STD-810H, Method 509.8
Shock	MIL-STD-810H, Method 516.8, Procedure IV
Vibration	MIL-STD-810H, Method 514.8, Procedure I, Annex E (General) and Procedure II, Category 5 (Loose Cargo)
Sand and Dust	MIL-STD-810H, Method 510.7, Procedure I and II
Rain and Water	MIL-STD-810H, Method 506.6, Procedure I

Wire Diagram

Nett Warrior Connectors



Nett Warrior to USB-C



P1	Wire Color	P2	Signal	
1	Red	A4, B4, A9, B9	+5VDC	Twist Pair
2	Black	A1, B1, A12, B12	GND	
4	Green	A6	USB D+	Twist Pair
5	White	A7	USB D-	
6	Orange	A5	USB Detect / CC	
Shell	Shield Shell			

*Twisted Pair (Shielded, Drain Tied to GND)

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