

## Magnetic Spring-loaded Connector Cable Assemblies

### Features:

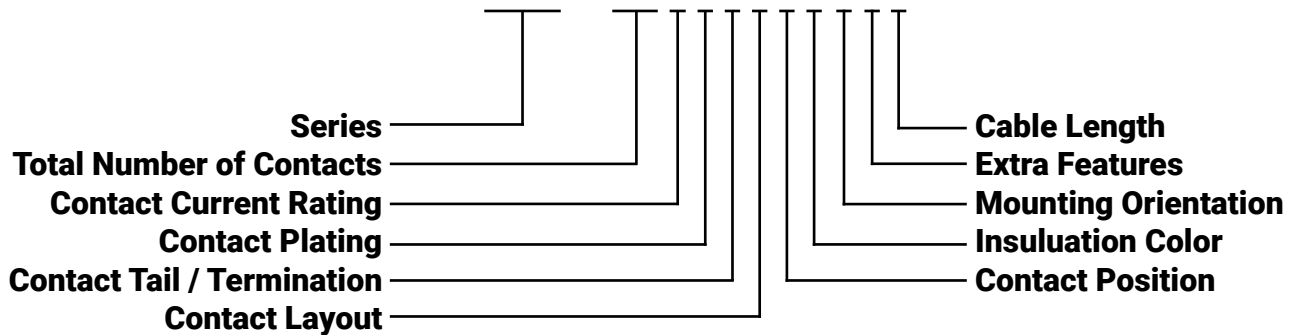
- Spring-loaded contacts maintain connection in environments with vibration to provide stable current flow
- Precision machined to ensure high quality, low resistance, compliant connector giving it the edge over other technologies
- Convenient for consumer electronics and in test environments where a large number of mating cycles are required (Up to 30,000 mating cycles)
- Assembled into high-temperature thermoplastic to form connector arrays



### Specifications:

Insulator Material	Nylon
Contact Plating	Gold Flash Plating
Voltage Rating Up To (per contact)	250V
Current Rating Up To (per contact)	5 amps
Insulation Resistance	10 Megaohms Min.
Dielectric Withstanding Voltage	100 VRMS at 60 hz
Mechanical Life	Up to 30,000 cycles
Operating Temperature	-30°C to +85°C

### Example Part Number 687B0611050110E



### Ordering Code Notes:

1) Only parts available are listed on our website at :  
<https://edac.net/products/spring-loaded-connectors/225>

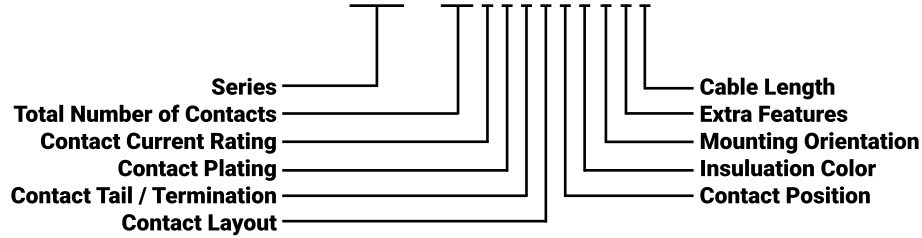
2)\* Keyed / Polarized overrides slim-line

3) \*\* Polarization is achieved with housing and / or magnets

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### Example Part Number

**687B0611050110E**



Series:	Description:
687	Cable Assy Male Connector
688	Cable Assy Female Connector
Total Number of Contacts:	Description:
XX = 02,03,04, - 14	Min. 02 contacts   Max. 14 Contacts
Contact Current Rating	Description:
1	1A
C	1.5A
2	2A
3	3A
5	5A
Contact Plating	Description (inches):
1	5µ" Gold
2	Gold Flash
4	10µ" Gold
Contact Tail / Terminations	Tail Description:
0	Bare Cable
1	Extension Cable (Mating Female Pogo)
2	Same connector both ends
A	USB-A 2.0
4	In-line socket
Contact Layout	Description:
0	Circular Housing
A	Keyed/Polarized Circular Housing
1	Rectangular: Standard single row
5	Rectangular: Keyed/Polarized single row (housing or magnet) **
6	Rectangular: Keyed/Polarized double row (housing or magnet) **

Cable Length	Description (mm):
0	1000
A	50
1	100
B	150
4	400
6	600
8	800
E	1200
H	1500
Extra Features	Description:
0	None
2	In-line power switch
3	In-line splitter
Mounting Orientation	Description (mm)
1	Vertical (Non-Circular)
2	Right angle (In-line with cable)
3	Right angle (Perpendicular to cable)
C	Ø7 - Ø8 Vertical
D	Ø10 Vertical
E	Ø12 Vertical
J	Ø6 R/A Vertical
K	Ø7 - Ø8 Vertical
L	Ø10 Vertical
Housing Insulation Color	Description:
0	White
1	Black
2	Grey
Contact Position	Description:
0	Recessed/Shrouded Contact
1	Protruding Contact

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