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TECHNOLOGY GROUP

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Encoder Connector-Cable Assemblies

Connector-Cable Assembly Features



Your EPC encoder is designed to produce a clean, stable, and reliable signal in a variety of operating conditions. To ensure that your encoder signal reaches its intended destination – be it a counter, PLC or controller – use genuine Accu-Coder® cables and connectors. Our shielded cable and mating connectors have been tested to meet stringent standards for quality and performance. All cable assemblies are assembled in our in-house cable department in accordance with industry best practices.

EPC cable and mating connector assemblies (6-pin, 7-pin, 10-pin, and 12-pin) can be ordered to your specified length and with the proper Accu-Coder® pin-out. Also, both encoder cable and mating connectors can be ordered separately. Our 5-pin and 8-pin M12 cordsets are available in a variety of lengths. If you don't see the length you need, **contact Customer Service (/contact-us?hsLang=en)** as other options may be available.

Incremental Encoder Connector-Cable Assemblies

To order a pre-wired cable and connector assembly, indicate the connector style, cable length and output configuration. Refer to **3xx Incremental Encoder Cable Assemblies (PDF) (/hubfs/pdf-downloads/connector-cable-assemblies/3xx_cable_wire.pdf?hsLang=en)** and **4xx Twisted Pair Cable Assemblies (PDF) (/hubfs/pdf-downloads/connector-cable-assemblies/4xx_cable_wire.pdf?hsLang=en)** for cable assembly details.

Ordering Guide

Specify one choice in each column to create part number. **Contact Customer Service** to order.

Example cable assembly required: 16 ft, 10-pin MS Type, Line Driver, Quadrature with Index, no CE
Example part number based on table: 310C-016-HV-R-N

QUESTIONS? Call us: 1-800-366-9412 (tel:18003669412) | 208-263-8541 (tel:2082638541)
Shop Online (https://www.encoderoutlet.com/)

_	__C -	___-	__-	_-	_
Cable type	**Connector style**	**Cable length**	**Output type**	**Channel configuration**	**CE compatible**
3 Standard **4** Twisted Pair	**06** 6-pin MS type[1] **07** 7-pin MS type[1] **09** 9-pin D-sub miniature[1] **10** 10-pin MS type **12** 12-pin MS type **A6** 6-pin MS type, 90°[1] **A7** 7-pin MS type, 90°[1] **A1** 10-pin MS type, 90° **H1** 10-pin bayonet	Number of feet (ex. 5 feet = 005)	**ST** Single ended; for use with output types OC, PU, PP, S, O **HV** For differential line driver	**A** Single channel **Q** Quadrature or dual channel **R** Quadrature with index Z	**CE** CE Certified **N** No

[1]Available with standard cable only

Buy through a distributor (/buy-through-distributor?hsLang=en) |
Request a quote (/request-a-quote?hsLang=en) |
Contact Tech Support (/contact-technical-support?hsLang=en)

Absolute Encoder Connector-Cable Assemblies

To order a pre-wired cable and connector assembly, indicate the connector style and cable length. Refer to **5xx Absolute Encoder Cable Assemblies (PDF) (/hubfs/pdf-downloads/connector-cable-assemblies/5xx_cable_wire.pdf?hsLang=en)** and **6M1C Absolute Encoder Cable Assemblies (PDF) (/hubfs/pdf-downloads/connector-cable-assemblies/6M1C_Cable-Assy-Table.pdf?hsLang=en)** for cable assembly details.

Ordering Guide

Specify one choice in each column to create part number. **Contact Customer Service** to order.

Example cable assembly required: 16 ft, 10-pin MS Type, no CE
Example part number based on table: 510C-016-N

Example cable assembly required: For use with Model A36R, 16 ft, Embedded Battery, with CE
Example part number based on table: 6M1C-016-L-EB-CE

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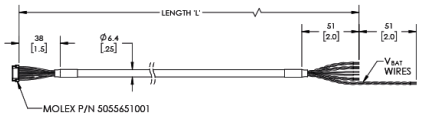
_ - **Cable type**	_ _ **C** - **Connector style**	_ _ _ - **Cable length**	_ - **Power Option**[5]	_ _ - **Battery**[5]	_ **CE compatible**
5 Absolute **6** A36R Absolute[4]	**10** 10-pin MS type[2] **16** 16-pin M23[3] **19** 19-pin Bayonet **A1** 10-pin MS type, 90°[2] **M1** Molex Receptacle[5]	Number of feet	**N** Normal **L** Low	**NB** No battery **EB** Embedded battery[6]	**CE** CE Certified **N** No

[2]8-bit only. CE option not available
[3]For use with ≤ 12-bit outputs
[4]Cable type 6 only available with the M1 connector type
[5]Only available with cable type 6
[6]Only available with L Power Option. Minimum 1 foot cable length required

6M1C Cable Options for Model A36R

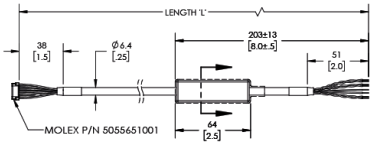
Power-ready cable

For multi-turn (L) Low Power Option, user supplies external power. See **Low Power cable drawing (PDF) (/hubfs/products/model_a36r/a36r-lowpowercable_6m1c-prcbl.pdf?hsLang=en)**.



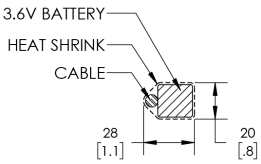
Embedded Battery Cable

For multi-turn (L) Low Power Option with (EB) Embedded Battery, battery supplies external power. See **Embedded Battery Cable drawing (PDF) (/hubfs/products/model_a36r/a36r-embeddedbattcable_6m1c-ebcbl.pdf?hsLang=en)**.



Embedded battery cable battery notes:

1. The battery section of the cable is rigid and non-flexible.
2. Battery is located close to the customer end of the cable, and is housed in a protective enclosure secured directly to the cable.
3. Maximum rated battery operating temperature is 85° C.
4. Minimum total cable length for EB option is 30 cm (1 foot).



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