

MS Style Connector Callouts and Cabling Part Numbers

Beginning in 2008, we have made changes to the Exlar standard MS style connector callouts and cabling part numbers. This document is meant to address these changes and to be used as a reference until the new catalog is released. The purpose of these changes is to bring continuity to ordering of cables for any of our current product lines. These changes apply to all new orders. Re-orders of the same configuration are acceptable for replacement using the old standards.

Old Connector Callouts and Cables:

GSX Current connector and cable options:

- O – MS Anodized size 14-18 pin
 - Encoder Cable – EC1-AC-xxx
 - Resolver Cable – RC1-MC-xxx
 - E – MS Electroless Nickel size 14-18 pin
 - Encoder Cable – EC1-EC-xxx
 - Resolver Cable – RC1-EC-xxx
 - S – MS Anodized size 16-23 pin
 - Encoder and Resolver Cable – EC4-MC-xxx
- Power Cables
- Size 20,30 Power Cable – PC1-xx-xxx
 - Size 40,50 Power Cable – PC7-xx-xxx
 - Size 60 Power Cable – PC3-xx-xxx
- Brake options includes 3rd brake connector – BC1-xx-xxx Cable for Brake

GSM Current connector options:

- S – MS Anodized size 16 23 pin connector for both encoders and resolver
 - Encoder Cable – EC4-xx-xxx
 - Resolver Cable – EC4-xx-xxx
 - E – MS Electroless Nickel size 16 23 pin connector
 - Encoder Cable – EC4-xx-xxx
 - Resolver Cable – EC4-xx-xxx
- Power Cables
- Size 20,30 Power Cable – PC1-xx-xxx
 - Size 40 Power Cable – PC7-xx-xxx
- RB only, wired in power connector

SLM&SLG Current connector options:

- C – MS Anodized size 16 23 pin connector for both encoders and resolver
 - Encoder and Resolver Cable – EC4-MC-xxx
 - E – MS Electroless Nickel size 16 23 pin connector
 - Encoder and Resolver Cable – EC4-EC-xxx
- Power Cables
- Size 060,090 Power Cable – PC1-xx-xxx
 - Size 115,142 Power Cable – PC7-xx-xxx
- Brake wired in power connector

New Connector Callouts and Cables For GSX, GSM, SLM, SLG:

Feedback Wiring:

- A – MS Anodized connectors
 - Resolver based actuator - size 14-18 pin connector
 - Resolver Cable
CBL-RESOL-xxA-xxx(RC1)
 - Incremental based actuator - size 16-23 pin connector
 - Incremental Encoder Cable
CBL-ENCOD-xxA-xxx(EC4)
- D – MS Electroless Nickel connectors
 - Resolver based actuator - size 14-18 pin connector
 - Resolver Cable
CBL-RESOL-xxD-xxx(RC1)
 - Incremental based actuator - size 16-23 pin connector
 - Incremental Encoder Cable
CBL-ENCOD-xxD-xxx(EC4)

Power Wiring:

- All Power cables for Exlar standard connector callouts I,A,D,J and P will now have 6 conductors to handle brake connections in the power cable.
- Frame Sizes 20,30,060,090 use
CBL-PWRB1-xxx-xxx(PC1)
 - Frame Sizes 40,50,115,142 use
CBL-PWRB2-xxx-xxx(PC7)
 - Frame Sizes 60,180 use
CBL-PWRB3-xxx-xxx(PC3)

Brake Wiring:

- All Product Lines now have RB(rear) brake leads wired in the power connector when using Exlar standard connector callouts I,A,D,J and P.
- On the GSX product line, the XT(integrated load cell) option will have a third connector installed. With Euro connectors an M12-5 pin and with MS connectors, a size 12-8 pin.
- When using the M – Manufacturers connector option, Manufacturers that use a third brake connector on their motor will have a third brake connector installed on all current Exlar product lines. All others will be wired in the power connector as defined by the manufactures motor.

Connector Image Reference for Old callouts:

