

Belden Deutschland GmbH • Im Gewerbepark 2 • 58579 Schalksmühle

Product / Process Change Notification

Dear Customer,

In order to meet the latest market-demand as well as the latest norm-requirements, we are constantly refining products in regards to effectiveness, accreditation and high quality.

In this context, Belden has modified the M12-Power family and implemented new cables. This cable change has been implemented with immediate effect.

Please read the following text for more information.

PCN No: PCN-2017-03-24

Date: 2017-03-24

Change Title: M12-Power family with new cables

Change Classification: ___ Minor Major

Change Item: Design Raw Material ___ Packaging ___ Firmware ___ Others

Product Category: M12 L- & T-coded

Affected Product(s): Please [download](#) the product list.

All effected products will get new order numbers and order descriptions.

Details of Change(s):

All **M12 L-coded** connectors need to be modified from a **black** to a **gray cable jacket** in order to get the PNO-conformity. In addition, for all M12 L-coded connectors, the **PE** (Protection Earth) has been replaced by the **FE** (Functional Earth). This results in new wire identification for these connectors, using a gray instead of a green/yellow wire.

Old Design:



1 = brown
2 = white
3 = blue
4 = black
PE = green/yellow
Jacket = black

New Design:



1 = brown
2 = white
3 = blue
4 = black
FE = gray
Jacket = gray

STL Old	STL New	Characteristics	
726	949	5G1,5	PUR gray
917			
914	950	5G2,5	PUR gray
913	956	5G1,5 shielded PUR gray	
737			
725	957	5G2,5 shielded PUR gray	

In addition to the first modification, there have been further adjustments to the **M12 T-coded** connector cables. Existing cables have been replaced with a new version to improve mechanical and electrical properties, such as drag chain capability. The dimensions as well as the cable structure remain unchanged.

STL Old	STL New	Characteristics	
918	722	4X1,5 shielded PUR black	
740	723	4X1,5	PUR black

Reason for Change(s):

Main drivers for this change was the **PNO** (PROFIBUS Nutzerorganisation) as well as the **M12-Power norm committee** that decided to implement changes within the M12 L-coding. This forced Belden to redesign these products in terms of cable usage.

All changes are in accordance with the M12 norm, enabling the M12 L-coding to conform to the PNO standard.

Impact of Change(s):

Form: Not effected
 Fit: Not effected
 Function: Not effected
 Reliability: Increased reliability due to overall drag chain capability
 Others: Norm conformity and PNO approval due to new cable material and wire identification

Implementation Plan:

Implementation Plan:

Implemented Date (Schedule): With immediate effect

Originator:

<u>Job Title/Function</u>	<u>Name</u>
Product Manager	Alexander Weber

Contact for Questions & Concerns:

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Comments:

Please send your or your customers comments or requests for additional information to Alexander Weber - Alexander.Weber@Belden.com.

Action:

Please forward this important information to your customers. Also, please inform your purchasing, development and product departments and other responsible persons of this change.

Distributors are advised to forward this information to their customers who are buying the listed products.

Distribution List:

Sales/Marketing:	Yes
Product Management:	Yes
R&D:	Yes
Operations:	If required
Specific Customer(s):	Yes
Others:	If required

Kind regards,



i.A. Joachim Kiera
Senior Manager Product Management



i.A. Alexander Weber
Product Manager

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