



ABB Switzerland Ltd, PMA Cable Protection,
Aathalstrasse 90, 8610 Uster, Switzerland

From	Global Product Management
Business area	
Phone direct	+41 58 585 0021
Fax direct	+41 58 585 0022
E-mail	pma-conduitsystems@ch.abb.com
Cc	
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PCS Conduits – Change in Proprietary Material Mixture

Expertise in materials technology has been a major factor in PMA® becoming a market leader for cable protection systems in railway applications.

PMA® proprietary material mixtures use modifiers added to the basic polyamide 12 or polyamide 6 material to adjust conduit performance characteristics, such as impact resistance, UV resistance, flexibility, and flame retardance. The use of these additives requires considerable specialist knowledge and extensive testing to attain the highest performance characteristics.

This expertise in formulation becomes particularly important when changes in market conditions force adaptations to be made.

Due to shortages that have arisen in chemical supply markets, leading to the lack of availability of some additives, PMA will change the material mixture used for the PCS and PCSL conduits to continue to fulfil all statutory requirements and to maintain a constant product supply.

The new raw material mixture for the PCS and PCSL conduits, fulfils the HL2 requirements of EN45545-2 and has excellent mechanical, environmental and aging characteristics. Please see the new modified data sheet attached. There will be minor visible differences in color and gloss compared to the previous product. Note that the PCS and PCSL conduits are not certified to NFPA 130.

For applications that require certification to NFPA 130, we recommend the use of the new PMA multilayer rail conduit XPCS (EN45545-2 HL2 and NFPA 130). The XPCSF multilayer rail conduit is recommended for applications requiring a HL3 classification according to EN45545-2. Data sheets for the two new multilayer conduits are also attached.

Please be assured that we are bringing all our extensive expertise to bear to ensure that we continue to supply you with high quality products that meet all applicable standards, despite challenging supply markets. Thank you for your continued business and support.

Ricardo Portillo
Director Global Product Manager
Flexible Conduit Systems

Ricardo Portillo