



Cable protection systems
Comprehensive solutions for
light rail traction vehicles

PMA

For traction vehicles Conduits, connectors, braids and accessories optimised in performance and cost

Lower speed traction vehicles such as trams, metros, monorails are capital goods that need to be planned and evaluated for cost efficiency. Aspects such as maintenance costs and the use of human resources play an important role in this process.

As a leading manufacturer of top quality cable protection systems since 1975 we know our customers needs. Coming with a comprehensive standard portfolio that is easy to install and maintain, PMA conduits and fittings have an attractive price-performance ratio with respect to the cost price and the operating costs, combined with high mechanical performance and fire safety certification up to EN45545-2 HL3 internal. For more detailed product information please visit our website www.pma.ch.



Conduits: PLR (PA6) and PCSL (PA12) conduits with high-grade, specially formulated polyamide. Very good flammability characteristics and mechanical performance.



Fittings: PMAFIX IP68GT single piece fittings with integrated strain relief optimally holds and seals cables.



Accessories: Wide range available.



Braids F.66, C.66, L.66, F.PX, L.PX, G.PX for simple bundling and abrasion protection for cables and wires.

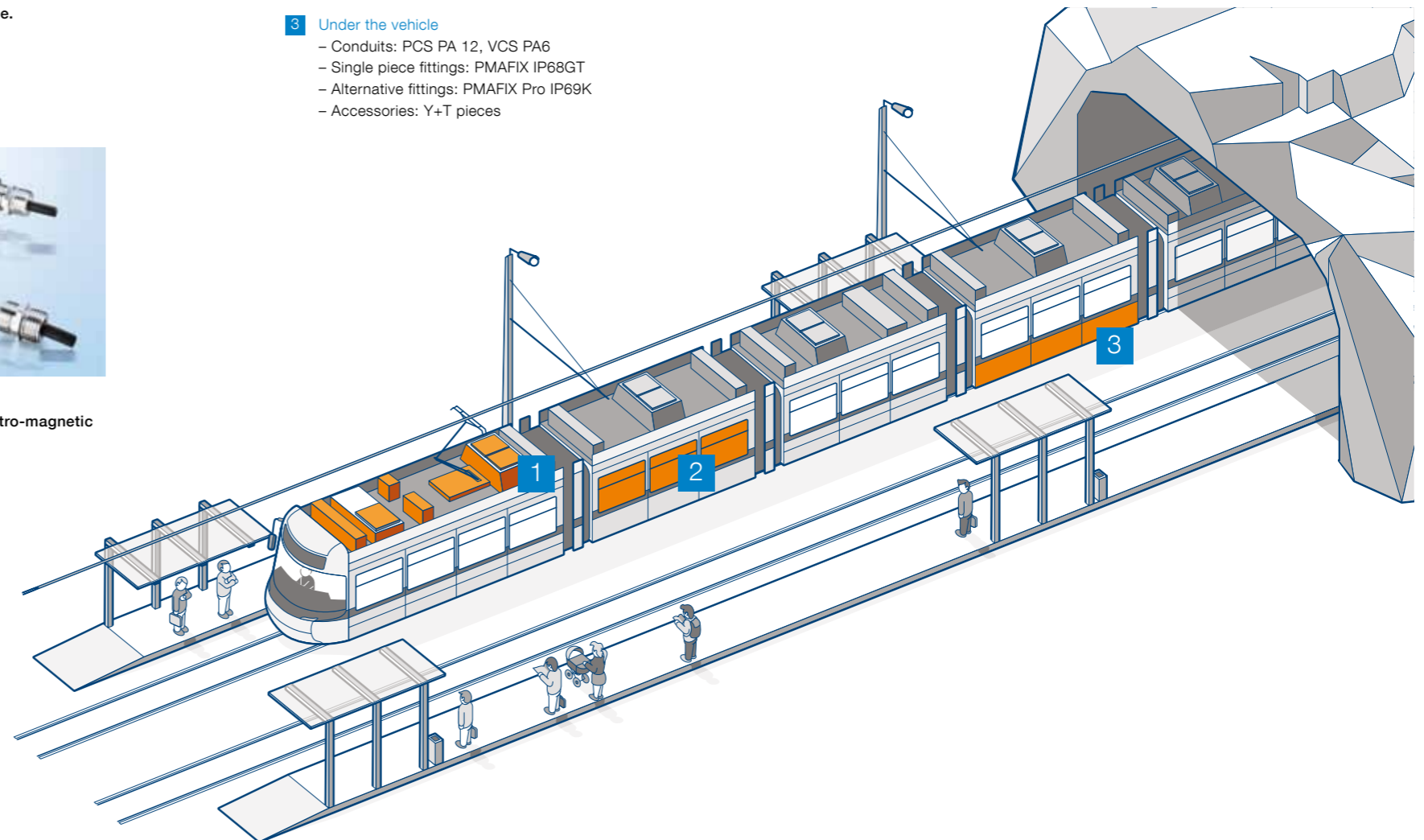


PMA Divisible System for retrofit and repairs.



PMA EMC System providing electro-magnetic shielding.

- 1 On the carriage roof, couplings, intercar jumper connections
 - Conduits: PCSL PA12 conduits, for dynamic applications with high UV exposure
 - Alternative conduits: PLR PA6 for static and less UV exposed applications
 - Single piece fittings: PMAFIX IP68GT
 - Accessories: MAVI, MAVIK, SCA, SCAK, SWA etc.
- 2 Inside the carriage passenger zone
 - Conduits: VAML PA6 EN45545-2 HL3 int.
 - Alternative conduits: PLR PA6 EN45545-2 HL2 int.
 - Fittings: PMAFIX IP68GT or PMAFIX IP66
 - Braids: F.66, C.66, L.66, F.PX, L.PX, G.PX
 - Accessories: Divisible System
- 3 Under the vehicle
 - Conduits: PCS PA 12, VCS PA6
 - Single piece fittings: PMAFIX IP68GT
 - Alternative fittings: PMAFIX Pro IP69K
 - Accessories: Y+T pieces



Your key benefits:

- A comprehensive solution
- High mechanical performance
- Fire safety according EN45545-2
- Easy to install
- Best price performance balance

Contact us

PMA AG

(Headquarters)

Aathalstrasse 90 | CH-8610 Uster

Phone +41 (0) 44 905 61 11 | Fax +41 (0) 44 905 61 22

pma-ch.info@tnb.com | www.pma.ch

Note: We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB AG.

© Copyright 2015 ABB. All rights reserved.
Specifications subject to change without notice.

