



FACTSHEET

Application recommendations

PMA conduits and connectors in applications exposed to extreme temperatures and conditions



PMA Connectors of these PMA lines are suitable for applications exposed to extreme temperatures and conditions:

- PMAFIX Pro
- PMAFIX IP68
- PMAFIX IP68GT
- PMAFIX IP66
- PMA Divisible System

For high and low temperatures (free from halogens and cadmium)

- **PSX:** Polyetherimid Light-duty conduit with good chemical resistance
 - Suitable for static applications and those subjected to minimal movements
 - Temperature range: -100 °C ... +170 °C continuous, +200 °C short-term
- **PHT:** Polyamid elastomer Medium/heavy-duty conduit with very good pressure resistance
 - For dynamic, static and permanent applications at high and very low temperatures
 - Very good mechanical characteristics even at extremely low temperatures below –40 °C
 - Extremely high impact resistance down to –50 °C
 - Temperature range: -50 °C ... +135 °C continuous, +180 °C short-term
- VCS: PA6 Heavy-duty conduit with very good mechanical characteristics even at strong temperature fluctuation
 - Very good mechanical and impact strength even at low temperatures and low humidity
 - Temperature range: -50 °C ... +105 °C continuous, +160 °C short-term

- **XVCSF:** PA6 flexible, heavy-duty multilayer conduit with blue inner layer is suitable for use in rail static external applications such as under carriage, bogie, etc.
 - Excellent resistance to UV rays and weathering
 - Good flexibility
 - High compression and impact strengths at low temperature and low humidity
 - Self-extinguishing
 - Free from halogens and cadmium
 - Temperature range –50°C ... +105°C continuous, +160°C short-term specifications

For high and low temperatures (excellent chemical resistance)

- **PVD:** PVDF Medium-duty conduit with excellent chemical resistance even at high temperatures
- Suitable for static applications and those subjected to minimal movements
- Temperature range: -60 °C ... +150 °C continuous
- Excellent UV resistance







Possible alternatives: Depending on project and application area further PMA products may be suitable.

Please contact the local PMA specialist or PMA AG, CH-8610 Uster for further application engineering support. Suitable and approved connectors are available up to IP69K.

For technical details and specifications please see our technical data sheets on www.pma.ch.



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