

Application recommendations

PMA conduits, braids and connectors in applications to generate renewable energy



PMA Connectors of these PMA lines are suitable for applications to generate renewable energy:

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

Outdoor applications with highest UV resistance

- **XSOL:** PA12/PA6 – Medium-duty conduit for dynamic and static applications
 - Multilayer conduit with low friction inner layer for easy cable insertion
 - Excellent mechanical strength even at extremely low temperatures
 - UL Recognized

Alternative:

- **VCS:** PA6 – Heavy-duty conduit preferably for static applications
 - Excellent mechanical impact strength even at low temperatures
 - UL Recognized
- **XVCS2H:** PA12/Polyolefin – Heavy duty conduit preferably for static applications
 - Multilayer conduit with low friction inner layer for easy cable insertion
 - Excellent mechanical and impact strength even at low temperatures
 - PA12 outer layer provides excellent long term UV resistance

Indoor applications with high mechanical strength and flexibility

- **PCL:** PA6 – Medium-duty conduit for static and slightly dynamic applications
 - Very good mechanical characteristics even under extreme conditions, such as low temperatures and low humidity
 - Very good ductility and good reversed bending characteristics
 - UL Recognized
- **LLPA:** PA6 – Medium-duty conduit for static applications and those subjected to occasional movements
 - Very good fatigue / reversed bending
 - UL Recognized

Divisible System for retrofit cable protection

- **PACOF:** PA6 – Medium-duty divisible conduit with good mechanical characteristics
 - EN45545-2 HL3
- **PPCOF:** PP – Medium-duty divisible conduit with good chemical resistance

Braids: Cable bundling and abrasion protection

- **F.66 / C.66 / L.66:** PA6.6
- **F.PX / L.PX:** Polyester – Braids for bundling and protection of electrical wires
- **G.PX:** Polyester – Open, self rewinding construction for fast installation



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.

Most of PMA conduits for energy use are self-extinguishing, free from halogens and cadmium and non-corrosive. Suitable and approved connectors are available up to IP69K.

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