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

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

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
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.