

# Application recommendations

## PMA conduits, braids and connectors in ship building applications



PMA Connectors of these PMA lines are suitable for applications in ship building:

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

### Open deck, cargo compartment + engine room (outdoor and indoor application)

- **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
- **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 low temperatures
  - In black colour excellent weathering and UV resistance
- **VOH:** PA6 – Very heavy-duty conduit preferably for static applications
  - Excellent pressure resistance and very good weathering characteristics
- **VCS:** PA6 – Heavy-duty conduit preferably for static applications
  - Excellent mechanical and impact strength even at low temperature

### Superstructure, crew and passenger compartments (indoor applications)

- **VAM:** PA6 – Flexible, heavy-duty conduit preferably for static applications
  - Complies with highest international fire safety regulations regarding smoke and toxicity
- **VAML:** PA6 - For high fire and passenger safety requirements in interior applications such as passenger areas or public buildings
  - Minimal development of smoke and gases
  - Good impact strength and flexibility
  - EN 45545-2 HL3

### On masts and booms / movable systems (outdoor applications)

- **PIS/PIH:** PA12 – Medium-duty and heavy-duty conduit preferably for dynamic applications
  - In black colour excellent weathering and UV res.
  - Excellent flexibility and flexural fatigue strength
- **XSOL:** PA12/PA6 – Medium-duty conduit for dynamic and static applications (for properties see XSOL)



**Power engines**

- **LLPA:** PA6 – Medium-duty conduit for static applications and those subjected to occasional movements
  - Very good flexibility and flexural fatigue strength

**Braids: Cable bundling and abrasion protection**

- **F.66 / C.66 / L.66:** PA6.6
- **F.PX / L.PX:** Polyester – Braids for bundling + protection of elect. 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.

