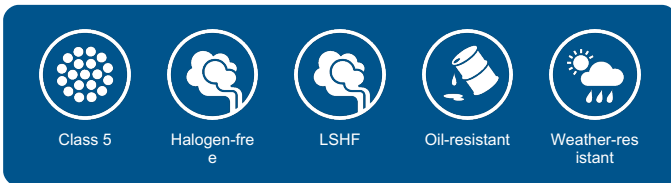




## AMOEXTREME



AmoExtreme is a flexible 1 kV connection cable engineered for applications with high mechanical demands. Its robust design combines durability and electrical performance, making it suitable for harsh environments both onshore and offshore.

The insulation is rated for a conductor temperature of up to 90 °C, ensuring safe and reliable operation even under heavy load. The sheath is flame-retardant and offers excellent chemical resistance, supporting long service life in environments exposed to oils, fuels and other aggressive substances.

The halogen-free polyurethane (TPU) outer sheath provides a strong, smooth surface with high resistance to mechanical stress. Thanks to its flexibility, AmoExtreme is ideal for various applications, including ship-to-shore and offshore connections, where safety, durability and flexibility are essential.

## APPLICATION

AMOExtreme is designed for extreme environments. The PUR outer sheath provides excellent resistance to mechanical stress and mineral oils. The cable is suitable for underwater installations down to 300 meters, making it ideal for fish farming applications. It can be customized to meet customer requirements, including hybrid designs combining power and control. Rated for 0.6/1 kV, AMOExtreme is manufactured in Sweden and designed for Nordic conditions.

## STANDARDS

- Conductor**  
IEC 60228 Class 5
- Halogen free**  
IEC 60754-1
- Oil resistance**  
IEC 60811-404

## STANDARDS

- Material**  
EN 50363-1  
EN 50363-10-2

## APPROVAL



## CONSTRUCTION

- Color**  
Orange (Other colours on request)
- Conductor**  
Bare flexible copper
- Fillers**  
Helical lapping tape (fillers if needed)
- Insulation**  
Cross-linked EPR
- Water max depth**  
300 m
- Outer sheath**  
Thermoplastic Polyurethane

## PROPERTIES

- Conductor temperature**  
90 °C
- Max temperature**  
85 °C
- Min. temperature**  
-40 °C
- AC Voltage rating  $U_0/U$**   
0,6/1kV



Name	Outer diameter [mm]	Total weight [kg/km]	Installation Current in open air, ambient temperature 30°C [A]
AmoExtreme 1X10	8.4	134	98
AmoExtreme 1X16	9.5	196	132
AmoExtreme 1X25	11.2	293	179
AmoExtreme 1X35	12.6	395	218
AmoExtreme 1X50	14.3	549	276
AmoExtreme 1X70	17	755	347

This document is automatically generated and is to be used as a guide only. May contain theoretical data. Images are for illustrative purposes only. No liability is accepted following the use of this data. Changes may be made without prior notice. It is the responsibility of the end user to determine suitability for any given application. E&OE. Copyright ©2026 Amokabel. All Rights Reserved.