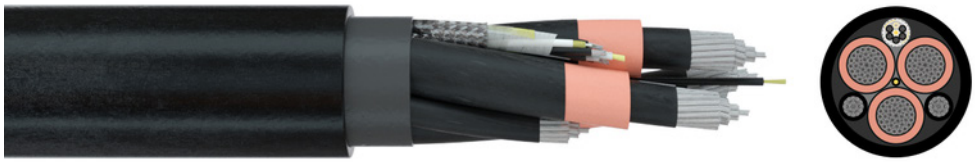
Medium voltage cable
Tratosflex® AMP



Application: The cables are suitable for use high voltage shore connection systems (HVCS), on board the ship and on shore, to supply the ship with electrical power from shore.

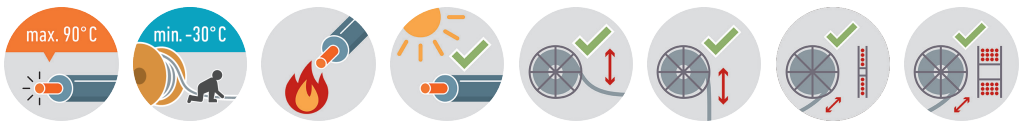
- IEC/EEE 80005-1: Utility connections in port — Part 1: High voltage shore connection (HVSC)

- DNV certificate: The products are accepted for installation on all vessels classed by DNV GL.

Construction and technical data:

- Three cores laid around a central support element. Earth conductor, screened control cores and fiber elements positioned in the interstices.

Standard:	IEC 60092-350 - 60092-354 - 60092-376 - 60092-201 - 80005-1
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	HEPR
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	split in the outer interstices
Sheathing material:	polyurethan
Flame-retardant:	EN 60332-1-2
Permitted outer cable temperature, moved, °C:	-30 - +60 °C
Bending radius, moving application:	8 x Ø



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Tratosflex® AMP 6/10 kV

Nominal voltage Uo: 6 kV

Nominal voltage U: 10 kV

Maximum permitted operating voltage in three-phase systems: 12 kV

Test voltage: 17 kV

part no.	part name	Rl [Ohm/km]	Ø [mm]	Fzv [N]	Cu	G [kg]
053804	03X70 + 2X35/2 + (4x2.5)C + (24G62.5/125) RD	0.277	62	4200	2480	5390
053015	03X95 + 2X50/2 + (4X2,5+ 6G62,5/125))C RD	0.21	64	5700	3450	6200
053393	03X120+70+3X(3X2.5)+24G62.5/125 RD	0.164	74	7200	4525	8160
053110	03X185 + 2X95/2 + (5X2.5)C + 6G62.5/125 BK	0.108	73	11100	6454	10200
053408	03X185 + 2X95/2 + (7x2.5)C + 12G62.5/125 BK	0.108	75	11100	6485	10460
053959	03X240 + 2X120/2 + (5X2.5) + 6G62.5/125	0.0817	78	14400	8525	13370

Rl	Conductor resistance
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000