Certificate No: LR25297501TA
Issue Date: 20/10/2025
Expiry Date: 19/10/2030

# Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

| | |
|---|---|
| **Manufacturer** | **Tratos Cavi Spa** |
| **Address** | Via Stadio 2, Pieve S. Stefano Ar, 52036, Italy |
| **Type** | Control Cables |
| **Description** | Elastomer insulated control cables for fixed wiring in ships.<br>(TRATOS-A IS FR, TRATOS-A CS FR) |
| **Trade Name** | FGP4XHSB1ASW4 |
| **Application** | Marine installations |

**Specified Standard**

| | |
|---|---|
| Conductors: | Tinned annealed copper wires to class 5 of IEC 60228:2004 |
| Construction: | BS 7917:1999 |
| Fire resistance: | IEC 60331-21:1999 |
| Low smoke emission: | IEC61034-2:2005+A1:2013+A2:2019 |

**Ratings**

| Voltage | Number of cores / Cross sectional area ($mm^2$) |
|---|---|
| 150/230V | 1 x 2/1,5 $mm^2$ |

**Other Conditions** Maximum conductor temperature 85°C.

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**Maurizio Crucil**

Electrical & Control Technical Manager - South Europe to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** LR2143027TA

The Design Appraisal Document LR25297501DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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