



Certificate no.:
TAE00004V8

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Low Voltage Cable**

with type designation(s)
FLU7Y

issued to

Coroplast Fritz Müller GmbH und Co. KG
Wuppertal, Germany

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Rated voltage (V) 60 V DC or 25 V AC

Temp. class (°C) 90

Issued at **Høvik** on **2024-03-21**

This Certificate is valid until **2029-03-20**.

for **DNV**

DNV local unit: **Essen**

Approval Engineer: **Carsten Hunsalz**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2023-09

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Product description

ETFE insulated single or twisted pair control wires

Type: FLU7Y

Rated voltage : 60 V DC or 25 V AC
Operating temperature : -40° C up to + 135 ° C 20000 h
+ 150 ° C 3000 h
+ 175 ° C 240 h

Conductor: Stranded tinned copper
Core insulation : ETFE

Number of cores: Cross-sectional area (mm²)

1	1 to 4
2	1 to 4
3	1 to 2,5

Application/Limitation

For diesel engines, turbines, auxiliary boilers and devices with increased temperatures.
For measuring cables in cold storage chambers.

Type Approval documentation

Test report No.: PP 2009-090, dated 09.07.2010
PP 2015-104, dated 05.10.2015

Tests carried out

ISO 6722-1:2011; DIN VDE 0207-6:2004; DIN EN 13602:2013; IEC 60332-1-2:2015

Marking of product

Coroflex Poland Sp. z o.o. sp. k. - Coroflex - FLU7Y - size - Lot no.

Place of Production

Coroflex Poland Sp. z o.o. sp.k. Cieplownicza 8, 47-100 Strzelce Opolskie

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE