Certificate No: LR2001463TA
Issue Date: 29/01/2019
Expiry Date: 28/01/2024

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	**Camuna Cavi S.r.l.**
Address	Via Generale Treboldi, 128, Edolo -BS-, 25048, Italy
Place of Production	Camuna Cavi S.r.l. Via Generale Treboldi, 128, Edolo -BS-, 25048, Italy
Type	Cables Control, Telecommunication And Instrumentation
Description	Halogen free, low smoke, flame retardant, communication and instrumentation cable with bare (or tinned) copper conductor, HF-XLPE insulated, twisted pairs with Al/PET tape screen with drain wire.
Trade Name	HF-TXCS 150/250 V and R/FE4XOHM1 150/250 V
Application	General fixed communication and instrumentation cable for use on Ships and Offshore Installations.
Specified Standard	Construction: IEC 60092-376 Conductor: IEC 60228 cl.2 or cl.5 Insulation: HF-XLPE as per IEC 60092-376 Screen: Al/PET tape with tinned copper drain wire Outer sheath: type SHF1 as per IEC 60092-376 Flame retardance: IEC 60332-3-22

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Maurizio Crucil

TTSO Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

71 Fenchurch Street, London, EC3M 4BS, UK

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Halogen content: IEC 60754-1 and -2

Ratings	Voltage rating [V]:	150/250 V
	No. of pairs:	1 up to 30
	Cross section Area [mm^2]:	0.5, 0.75, 1.5mm^2
	Maximum rated conductor temperature [°C]:	85°C

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.

The Design Appraisal Document No. LR2001463TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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