



Lloyd's
Register

Type Approval Certificate

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

This certificate supersedes certificate number 11/20022(E1) issued on 3 July 2015 which is hereby cancelled.

This certificate is issued to:

PRODUCER

Nexans Deutschland GmbH
Bonnenbroicher Strasse 2-14
41238 Mönchengladbach
Germany

DESCRIPTION

Halogen free control and instrumentation cable

TYPES

TX (C) 150/250 V	TX (C) FLEXISHIP 150/250 V
TX (I) 150/250 V	TX (I) FLEXISHIP 150/250 V
TX (I) + (C) 150/250 V	TX (I) + (C) FLEXISHIP 150/250 V
TCX (C) 150/250 V	TCX (C) FLEXISHIP 150/250 V
TCX (I) 150/250 V	TCX (I) FLEXISHIP 150/250 V
TX (C) 331 150/250 V	TX (C) 331 FLEXISHIP 150/250 V
TX (I) 331 150/250 V	TX (I) 331 FLEXISHIP 150/250 V
TCX (C) 331 150/250 V	TCX (C) 331 FLEXISHIP 150/250 V
TCX (I) 331 150/250 V	TCX (I) 331 FLEXISHIP 150/250 V

APPLICATION

Fixed installation in ships and on offshore platforms

Certificate No.

11/20022 (E2)

Issue Date

20 October 2016

Expiry Date

22 May 2021

Sheet

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Jochen Körner
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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DESIGN CODES

MG-S-100, issue 1.2 dated 10.07.15
 MG-S-101, issue 1.2 dated 10.07.15
 MG-S-102, issue 1.2 dated 09.07.15
 MG-S-103, issue 1.2 dated 09.07.15
 MG-S-104, issue 1.2 dated 10.07.15
 MG-S-105, issue 1.2 dated 10.07.15
 MG-S-106, issue 1.2 dated 09.07.15
 MG-S-107, issue 1.2 dated 10.07.15
 MG-S-108, issue 1.2 dated 29.07.15

RATINGS

Maximum conductor temperature: 90°C
 Minimum installation temperature: -10°C

RANGE

Number of Conductors		Conductor cross section qmm
2, 4, 6, 8, 14, 20, 24, 28, 38, 48, 54, 60, 74	1, 2, 3, 4, 7, 10, 12, 14, 19, 24, 27, 30, 37 pairs	0.5, 0.75, 1.5
3, 6, 12, 21, 30, 42, 63	1, 2, 4, 7, 10, 14, 21 triples	0.5, 0.75, 1.5

PLACE OF PRODUCTION

Bonnenbroicher Strasse 2-14
 41238 Mönchengladbach
 Germany

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Jochen Körner
Hamburg Technical Support Office

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LR031.1.2013.12

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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."

The attached Design Appraisal Document No. HTS/ETS 34289-16 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 11/20022 (E1) to which this extension should be attached.

Certificate No.	11/20022 (E2)
Issue Date	20 October 2016
Expiry Date	22 May 2021
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