



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 05/00074 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER

Draka Comteq Germany GmbH & Co. KG

**PLACE OF
PRODUCTION**

Wohlauer Str. 15;
D-90475 Nürnberg
Germany

DESCRIPTION

Halogen free, low smoke emission, LSFH-FR (SHF1) sheathed, oil
resistant, individually foil screened twisted pair data transmission
cable.

TYPES

ToughCat5e S/FTP⁽¹⁾ class 2 stranded
ToughCat7 S/FTP⁽²⁾ class 2 stranded
ToughCat7S S/FTP⁽³⁾ class 1 solid
(1); (2); (3) see ratings

APPLICATION

Communication cable for fixed installation in ships

SPECIFIED STANDARDS

IEC 61156-5: 2009
EN 50173-1: 2010
EN 50288-2-1: 2013
EN 50288-4-1: 2013
ISO/ IEC11801: 2011
IEC 60092-360: (SHF1) 2014

Certificate No.

15/20027

Issue Date

09 April 2015

Expiry Date

08 April 2020

Sheet

1 of 2

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

Jochen Körner
Hamburg Technical Support Office

Lloyd's Register EMEA

LR031.1.2013.12



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RATINGS

Operational Voltage:	75V
Configuration ⁽¹⁾ :	4x2 / 0.22 mm ²
Configuration ⁽²⁾ :	4x2 / 0.27 mm ²
Configuration ⁽³⁾ :	4x2/23AWG

"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 31389-15 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 05/00074 to which this extension should be attached.

Certificate No.	15/20027
Issue Date	09 April 2015
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Sheet	2 of 2

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