



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

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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
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Sheet	2 of 2

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LR031.1.2013.12



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