

## Type Approval Certificate Extension

*This is to certify* that Certificate No. 95/60162(E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

**PRODUCER**

Draka Cableteq USA  
22 Joseph E. Warner Boulevard  
North Dighton  
MA 02764  
United States of America

**PLACES OF  
PRODUCTION**

22 Joseph E. Warner Boulevard  
North Dighton  
MA 02764  
United States of America

1 Tamaqua Boulevard  
Schuylkill Haven  
PA 017972  
United States of America

**DESCRIPTION**

Flame retardant, twisted pair and twisted triple instrumentation and communication cables, cross linked polyolefin insulated, arctic grade Neoprene or CPE sheathed. With or without bronze or aluminium braid and arctic grade Neoprene or CPE outer sheath.

**TYPES**

Bostrig – 125 type P (600V and 2000V)

**APPLICATION**

Marine, offshore and industrial use.

**SPECIFIED  
STANDARDS**

IEEE 1580, IEEE 45, UL1309/CSA 245,  
IEC 60332-3 Category A

**Certificate No.** 95/60162(E4)  
**Issue Date** 12 October 2009  
**Expiry Date** 29 November 2010  
**Sheet** 1 of 2



A. Munden  
London Design Support Services  
Lloyd's Register EMEA

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

*"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 95/60162(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 95/60162(E3) to which this extension should be attached.

<b>Certificate No.</b>	95/60162(E4)
<b>Issue Date</b>	12 October 2009
<b>Expiry Date</b>	29 November 2010
<b>Sheet</b>	2 of 2



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Issue number	1

**DESIGN APPRAISAL DOCUMENT**

Date	12 October 2009	Quote this reference on all future communications	LDSS/TA/ETS/W02136010/AM/O-102034
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**LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.****Issued to: DRAKA CABLETEQ USA****For: FLAME RETARDANT TWISTED PAIR AND TWISTED TRIPLE CABLES****Type: BOSTRIG-125 TYPE P (600V AND 2000V)****TYPE APPROVAL CERTIFICATE No. 95/60162(E4)**

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

**APPROVAL DOCUMENTATION**

Approval Services Request for Quotation form	29 May 2009
Draka letter	29 May 2009
Specification J-106 Rev 3	June 2009

**TEST REPORTS**

Intertek Listing Constructional Data Report Number 0551892CRT-001	15 May 2009
Intertek Test Report No. 3176472CRT-003	20 May 2009

Also all the documentation listed on Design Appraisal Documents associated with Type Approval Certificate No. 95/60162(E3).

**Supplementary Type Approval Terms and Conditions**

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.*



A. Munden  
London Design Support Services  
Lloyd's Register EMEA

**Part 1B**  
**Subject: Electrical Equipment (Not Environmentally Tested)**  
**Product: Cables Power (Part 1B)**

Producer/Licence No.		Description of Product			Cert. No.
Type	Details of Approval	Application	Remarks		
<p>Bostrig - 125                      Type P (600V and                      2000V)</p>	<p>Flame retardant, twisted pair and twisted triple instrumentation and communication cables, crosslinked polyolefin insulated, arctic grade Neoprene or CPE sheathed.                      With or without bronze or aluminium braid and arctic grade Neoprene or CPE outer sheath</p> <p>Voltage rating:                      0.6kV and 2kV                      Maximum conductor temperature:                      95deg. C</p>	<p>Instrumentation and communication wiring for ships and offshore installations</p>	<p>Expires: 29 November 2010</p> <p>Standards                      IEEE-1580                      IEEE-45                      UL1309/CSA 245                      IEC 60332-3 Category A</p> <p>See manufacturer's literature for cable sizes</p>	<p>95/60162(E4)</p>	