

## LR Type Approval Certificate Extension

*This is to certify* that Certificate No. 99/60005 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Draka Marine Oil and Gas
<b>PLACE OF PRODUCTION</b>	1 Tamaqua Blvd. Schuylkill Haven PA 17972 United States of America
<b>DESCRIPTION</b>	Flame retardant single and multiconductor control, instrumentation and power cables, PVC insulated, PVC sheath.
<b>TYPES</b>	STT, DTT, TTT, FTT, C14TT, C16TT, C18TT, TP16TT, TP18TT, TP20TT, TP16(IS)TT, TP18(IS)TT, TP20(IS)TT
<b>APPLICATION</b>	Marine, offshore and industrial electrical installations.
<b>SPECIFIED STANDARDS</b>	IEEE45-1998 IEC 92-3 IEC 332-1 IEC 332-3 (Cat.A) UL1309 IEEE1580-2001 CSA C22.2 No.245
<b>CONSTRUCTION</b>	Bare or tinned copper conductor; polyvinylchloride (PVC) insulation; polypropylene filler; polyvinyl chloride (PVC) sheath; aluminium, bronze or tinned copper braided armor.
<b>RATINGS</b>	Conductor sizes 20AWG to 1000MCM Max. conductor temperature: 90°C Rated voltage: 600V (control and power) 300V (instrumentation)
<b>Certificate No.</b>	99/60005(E1)
<b>Issue Date</b>	01 May 2005
<b>Expiry Date</b>	30 November 2009
<b>Sheet</b>	1 of 2

  
J. N. Croston

**ADDITIONAL  
INFORMATION**

Identification: Bostmarine  
Single conductor: STT  
Twin conductor: DTT  
Three conductor: TTT  
Four conductor: FTT  
Multi-conductor control: C14TT, C16TT, C18TT  
Instrumentation: TP16TT, TP18TT, TP20TT, TP16(IS)TT, TP18(IS)TT,  
TP20(IS)TT

*"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 LR of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. 99/60005(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 99/60005 to which this extension should be attached.

Certificate No.	99/60005(E1)
Issue Date	01 May 2005
Expiry Date	30 November 2009
Sheet	2 of 2



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