



CERTIFICATE NUMBER  
03-SQ361769/1-PDA

DATE  
10 March 2003

ABS TECHNICAL OFFICE  
Shanghai

# CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of  
**Suzhou Draka Cable Co. Ltd.**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate; and it will remain valid for five years from the date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Marine Communication Cable

MODEL: See Attachment

ABS RULE: SVR 2003, Section 4-8-3/9

OTHER STANDARD: IEC60092-375, IEC60332-3 Cat.A, IEC60754-2, IEC61034, IEC60331

AMERICAN BUREAU OF SHIPPING

Takeshi Matsumoto

Principal Engineering Specialist – Machinery



**Design Assessment (DA) Certification  
Attachment for Listing**

DA Cert. No.: 03-SQ361769/1-PDA

**DA Certificate No.:** 03-SQ361769/1-PDA  
**Entry Date:** 10 March 2003  
**Expire Date:** 10 March 2008  
*(subject to the condition stated on the DA Certificate)*

**Name of Manufacturer:** Suzhou Draka Cable Co. Ltd.

**Address:** No. 6 Boqian Road  
**City:** Suzhou, Jiangsu  
**Zip:** 215008  
**Country:** P. R. China  
**Telephone:** (86-512) 67232382  
**Fax:** (86-512) 65336618  
**Web:** www.drakachinasdc.com  
**Email:** [sdcgmolr@public1.sz.js.cn](mailto:sdcgmolr@public1.sz.js.cn)  
**Contact Person:** Mr. Tao Jun Lai

**Product:** Marine Communication Cable

**Model:** MCOM-RFP (TPOP), MCOM-OH-RFP (TIOI), MCOM-OH-RFP-331 (BIOI), MCOM-OSCR-CWB-RFP (TPOP(c)), MCOM-OH-OSCR-CWB-RFP (TIOI(c)), MCOM-OH-RFP(z) (TXOI), MCOM-OH-OSCR-CWB-RFP(z) (TXOI(c)), MCOM-ISOS-CWB-RFP (TPOP(ic)), MCOM-OH-ISOS-CWB-RFP (TIOI(ic)), MCOM-OH-ISOS-CWB-RFP(z) (TXOI(ic)), MCOM-OH-FR/OSCR-CWB-RFP (BIOI(c)), MCOM-OH-FR-CWB-RFP(z) (BXOI), MCOM-OH-FR/OSCR-CWB-RFP(z) (BXOI(c)), MCOM-OH-FR-ISOS-CWB-RFP (BIOI(ic)), MCOM-OH-FR-ISOS-CWB-RFP(z) (BXOI(ic))

**Intended Service:** Instrumentation and communication system for shipboard and offshore

**Description:** See below

**Rating:** 60/250V

**Maximum Conductor Temperature:** 85°C

**ABS Rules:** 4-8-3/9 of SVR

**Other Standards:** IEC60332-3 Cat.A

**Service Restriction:** N/A

**Comments:** N/A

**Revision History:**

Rev.	Description for Revision	Submittal No.	Date
0	DA Initial application, renewal of TA Certificate 99-GH10604-X and DA Certificate 02-SQ321399-PDA	361769	10 March 2003
1	DA Additional cable models	399888	27 May 2004



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DA Cert. No.: 03-SQ361769/1-PDA

<b>Model:</b>	<b>Description:</b>
MCOM-RFP (TPOP)	XLPE insulated PVC inner sheathed copper wire braided PVC outer sheathed flame retardant shipboard communication cable
MCOM-OH-RFP (TIOI)	XLPE insulated LSF (SHF1) inner sheathed copper wire braided LSF (SHF1) outer sheathed low smoke halogen free flame retardant shipboard communication cable
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
1x2, 1x3, 1x4, 4x2, 6x2, 7x2, 10x2, 14x2, 19x2, 24x2, 30x2, 37x2, 48x2	0.5, 0.75
<b>Other Standards:</b>	IEC60092-375, Cables with -OH: IEC60754-2, IEC61034
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
1x2, 1x3, 1x4, 4x2, 6x2, 7x2, 10x2, 14x2, 19x2, 24x2, 30x2, 37x2	1, 1.5
<b>Other Standards:</b>	Cables with -OH: IEC60754-2, IEC61034
<b>Model:</b>	<b>Description:</b>
MCOM-OH-RFP-331 (BIOI)	XLPE insulated LSF (SHF1) inner sheathed copper wire braided LSF (SHF1) outer sheathed low smoke halogen free flame resistant shipboard communication cable
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
1x2, 1x3, 1x4, 4x2, 6x2, 7x2, 10x2, 14x2, 19x2	0.75
<b>Other Standards:</b>	IEC60092-375, IEC60331, IEC60754-2, IEC61034
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
1x2, 1x3, 1x4, 4x2, 6x2, 7x2, 10x2, 14x2, 19x2	1, 1.5
<b>Other Standards:</b>	IEC60331, IEC60754-2, IEC61034

<b>Model:</b>	<b>Description:</b>
MCOM-OSCR-CWB-RFP (TPOP(c))	XLPE insulated AL foil overall screened with tinned copper drain wires, PVC inner sheathed copper wire braided PVC outer sheathed flame retardant shipboard communication cable
MCOM-OH-OSCR-CWB-RFP (TIOI(c))	XLPE insulated AL foil overall screened with tinned copper drain wires, LSF (SHF1) inner sheathed copper wire braided LSF (SHF1) outer sheathed flame retardant shipboard communication cable
MCOM-OH-RFP(z) (TXOI)	XLPE insulated copper wire braided LSF (SHF1) outer sheathed low smoke halogen free flame retardant shipboard communication cable
MCOM-OH-OSCR-CWB-RFP(z) (TXOI(c))	XLPE insulated AL foil overall screened with tinned copper drain wires, copper wire braided LSF (SHF1) outer sheathed flame retardant shipboard communication cable
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
1x2, 1x3, 1x4, 4x2, 7x2, 10x2, 14x2, 19x2, 24x2, 30x2, 37x2	0.5, 0.75
<b>Other Standards:</b>	IEC60092-375, Cables with -OH: IEC60754-2, IEC61034
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
1x2, 1x3, 1x4, 4x2, 7x2, 10x2, 14x2, 19x2, 24x2, 30x2, 37x2	1, 1.5
<b>Other Standards:</b>	Cables with -OH: IEC60754-2, IEC61034
 <b>Model:</b>	 <b>Description:</b>
MCOM-ISOS-CWB-RFP (TPOP(ic))	XLPE insulated AL foil individual and overall screened with tinned copper drain wires, PVC inner sheathed copper wire braided PVC outer sheathed flame retardant shipboard communication cable
MCOM-OH-ISOS-CWB-RFP (TIOI(ic))	XLPE insulated AL foil individual and overall screened with tinned copper drain wires, LSF (SHF1) inner sheathed copper wire braided LSF (SHF1) outer sheathed flame retardant shipboard communication cable
MCOM-OH-ISOS-CWB-RFP(z) (TXOI(ic))	XLPE insulated AL foil individual and overall screened with tinned copper drain wires, copper wire braided LSF (SHF1) outer sheathed flame retardant shipboard communication cable
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
2x2, 4x2, 7x2, 10x2, 14x2, 19x2, 24x2, 30x2, 37x2	0.5, 0.75
<b>Other Standards:</b>	IEC60092-375, Cables with -OH: IEC60754-2, IEC61034
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
2x2, 4x2, 7x2, 10x2, 14x2, 19x2, 24x2, 30x2, 37x2	1, 1.5
<b>Other Standards:</b>	Cables with -OH: IEC60754-2, IEC61034



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<b>Model:</b>	<b>Description:</b>
MCOM-OH-FR/OSCR-CWB-RFP (BIOI(c))	XLPE insulated AL foil overall screened with tinned copper drain wires, LSF (SHF1) inner sheathed copper wire braided LSF (SHF1) outer sheathed fire resistant shipboard communication cable
MCOM-OH-FR-CWB-RFP(z) (BXOI)	XLPE insulated copper wire braided LSF (SHF1) outer sheathed fire resistant shipboard communication cable
MCOM-OH-FR/OSCR-CWB-RFP(z) (BXOI(c))	XLPE insulated AL foil overall screened with tinned copper drain wires, copper wire braided LSF (SHF1) outer sheathed fire resistant shipboard communication cable
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
1x2, 1x3, 1x4, 4x2, 7x2, 10x2, 14x2, 19x2, 24x2	0.75
<b>Other Standards:</b>	IEC60092-375, IEC60754-2, IEC61034, IEC60331
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
1x2, 1x3, 1x4, 4x2, 7x2, 10x2, 14x2, 19x2, 24x2, 4x3, 8x3, 10x3	1.5
<b>Other Standards:</b>	IEC60754-2, IEC61034, IEC60331
<b>Model:</b>	<b>Description:</b>
MCOM-OH-FR/ISOS-CWB-RFP (BIOI(ic))	XLPE insulated AL foil individual and overall screened with tinned copper drain wires, LSF (SHF1) inner sheathed copper wire braided LSF (SHF1) outer sheathed fire resistant shipboard communication cable
MCOM-OH-FR/ISOS-CWB-RFP(z) (BXOI(ic))	XLPE insulated AL foil individual and overall screened with tinned copper drain wires, copper wire braided LSF (SHF1) outer sheathed fire resistant shipboard communication cable
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
2x2, 4x2, 7x2, 10x2, 14x2, 19x2, 24x2	0.75
<b>Other Standards:</b>	IEC60092-375, IEC60754-2, IEC61034, IEC60331
<u>No. of Cores</u>	<u>Nominal Cross Section mm<sup>2</sup></u>
2x2, 4x2, 7x2, 10x2, 14x2, 19x2, 24x2, 4x3, 8x3, 10x3	1.5
<b>Other Standards:</b>	IEC60754-2, IEC61034, IEC60331