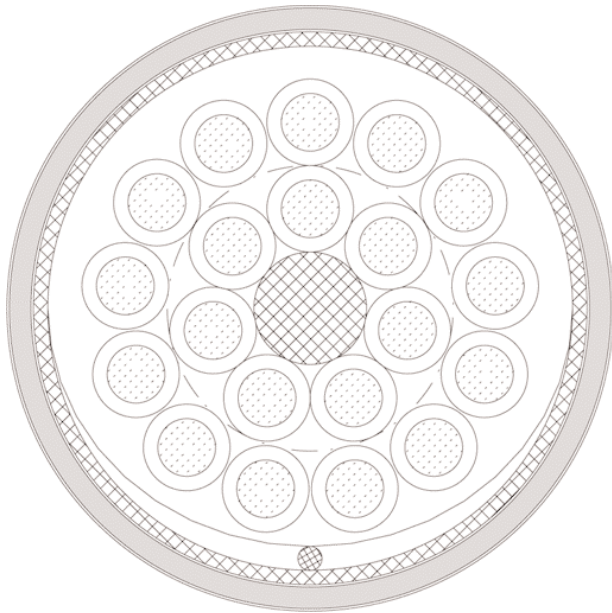


FLEXIBLE SPECIALITY CABLES



753 C ETFE connection cable with overall copper screen for application on marine engines



Connection cable with overall copper screen

item no. 07532007

cross sections 20 x 0.75 mm² +
with drain wire 0.25 mm²

Marking e.g. for 753 C 07532007:
300V FFCS BRÖCKSKES · 07532007 ·
20 x 0,75 mm² · 2005 ·

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11

753C is a ETFE connection cable which is designed especially for use in marine engines. The overall tinned copper braid, is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. The special insulated outer jacket is for temperatures up to 100 °C for flexing use. Fire resistance in acc. to IEC 60.332-3 Category A and C

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	TPE
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Inner jacket:	thermoplastic material
Screen:	tinned copper braid with drain wire (22 AWG)
Jacket material:	special flame retardant synthetic material
Jacket color:	black

Outstanding features:

- using in marine engines
- ABS, BV, GL, DNV, LR, RINA, KR, NK approved

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage:	conductor/conductor 2000 V (AC) conductor/screen 1000 V (AC) conductor/conductor 3000 V (DC) conductor/screen 1500 V (DC)
Min. bending radius	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	7.5 x O.D.
Radiation resistance:	2 x 10 ⁸ cJ/kg
Temperature range	
<i>static:</i>	-30/+100 °C
<i>flexing:</i>	-5/+100 °C
Burning characteristics:	no flame propagation acc. to IEC 60332 category A and C also flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2
Oil resistance:	the outer jacket is oil and diesel resistant
Certificate:	ABS, BV, GL, DNV, LR, RINA, KR, NK
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page M/25

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 19 AWG (23/32) • 0.75 mm ²				
07530207	2	0.236 ± 0.012	6.0 ± 0.3	41
07530307	3	0.248 ± 0.012	6.3 ± 0.3	48
07530507	5	0.291 ± 0.012	7.4 ± 0.3	67
07530707	7	0.311 ± 0.016	7.9 ± 0.4	79
07531207	12	0.409 ± 0.020	10.4 ± 0.5	130
07531607	16	0.457 ± 0.020	11.6 ± 0.5	164

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 16 AWG (27-29/30) • 1.50 mm ²				
07530215	2	0.272 ± 0.012	6.9 ± 0.3	57
07530315	3	0.283 ± 0.016	7.2 ± 0.4	67
07530515	5	0.343 ± 0.016	8.7 ± 0.4	97
07530715	7	0.374 ± 0.020	9.5 ± 0.5	121

Other dimensions and colors are possible on request.

E-mail: info@sabcable.com



Web site: www.sabcable.com

FLEXIBLE SPECIALITY CABLES

International Certificates for

753 C

ABS
TYPE APPROVAL PROGRAM

CERTIFICATE OF Type Approval
This is to Certify **SAB Brückes GmbH & Co. KG**

00-ES 20669-X 07 June 2000
41749 Viersen, Germany
Electric Connection Cable, screened
07 June 2000
N. Roth - Süßweg

1. Attachment To Certificate No. 00-ES 20669-X

Port of Essen, Germany

Date: 7 June 2000

Name of Equipment's Manufacturer: SAB Brückes GmbH & Co. KG
Grefrather Str. 204-212b
41749 Viersen

Equipment: Electric Connection Cable, screened

Model: 753C

Description: TYPE-E (TYPE530) Insulation ETFE (7YM) Outer Sheath Tinned copper braided screen

Rating: Flame retardant according to IEC 60332-3, Cat. C, 300/500 V, 100°C maximum conductor temperature
Max. transfer impedance < 250 mΩ/m at 30 MHz (acc. to HD 21.2, Sect. 2.7)

Intended Service: Electric Equipment Connection Cable for installation on Diesel engines, turbines, boilers

Comment: Ampacity values are to be, as per ABS Rules 4-8-3, Table 0 or IE 60092-353.

Standards: 2000 ABS Rules 4-8-3/9, 3/9, 5/9, 6/9, 17, 4-8-4/21.15
IEC 60332-3C, IEC 60228, IEC 60811, EN 50265-2-1
Manufacturers standard W10TK330 and W10TK910

N. Roth - Süßweg

BUREAU VERITAS

Certificate N°: 10285/A0 BV

17 Rue des Reflets - La Défense 2
92400 Courbevoie - France
Tel. 33 1 42 91 33 48
Fax 33 1 42 91 28 54

BUREAU VERITAS

CERTIFICATE OF TYPE APPROVAL

This is to certify that the product identified below was found to be in compliance with the relevant hereunder stated Regulations & standards

INSTRUMENTATION AND COMMUNICATION CABLES
Type : 753C

MANUFACTURED BY: **SAB Brückes GmbH & Co. KG**
Viersen - GERMANY

SPECIFIED REGULATIONS & STANDARDS:
BV Rules and Regulations for the Classification of Ships.
IEC60228, IEC60332-1, IEC60332-3C, IEC60811, EN50265-2-1

The Approval is valid until : 11.08.2005

BUREAU VERITAS HAMBURG At Paris la Défense, on : 11.08.2000

J.BENOIT
For the Secretary

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12

America

France

DNV

DET NORSKE VERITAS
TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. E-7156
This Certificate consists of 3 pages

This is to certify that the **Low Voltage Cable** with type designation(s) **753 C 300 V**

Manufactured by **SAB Brückes GmbH & Co. KG**
Viersen, Germany

is found to comply with Det Norske Veritas' Rules for Classification of Ships and Mobile Offshore Units IEC 60332-3 cat. A IEC 60332-3 cat. C

Application
Use of this special cable is to be considered in each case.
General power and lighting.
Voltage class (V) 300
Temp. class (°C) 95

Place and date Høvik, 2004-12-02 for DET NORSKE VERITAS AS
Eiro Elisabeth Paulsrud Head of Section

This Certificate is valid until 2008-12-31
Erik Hoffmann Surveyor

DET NORSKE VERITAS AS
Form No: 20 00a Issue: January 98

Norway

CERTIFICATO DI OMOLOGAZIONE DI TIPO
N. ELEMBROCS

Si certifica che il seguente prodotto soddisfa alle prescrizioni delle norme RVNA per l'omologazione di tipo.

Descrizione: CAVI ELETTRICI
Tipo: TYPE 753 C
Esecuzione: SAB BRÜCKES SPEZIALKABEL THERMOTECNIK KONFEKTION
D-41749 Viersen - Grefrather Str. 204-212 B (D)
GERMANY
SAB BRÜCKES SPEZIALKABEL THERMOTECNIK KONFEKTION
D-41749 Viersen - Grefrather Str. 204-212 B (D)
GERMANY
Norme di riferimento: IEC 60929-358

CERTIFICATO DI OMOLOGAZIONE DI TIPO
N. ELEMBROCS
Allegato - Pagina 1/1
TYPE 753 C

Componenti: con isolati per strumentazione, non propaganti fiamma, per impiego a bordo di navi ed offshore.

Tensione nominale: 300/500 V
Temperatura massima di esercizio: 102°C
Tipo: TYPE 753 C
Materie costituenti: TYPE 753 C - 300/500 V - IEC 60332-3A

Costruzione:
Costruzione: cavo di rame allegato IEC 60228 classe B
Isolante: ETFE (753030)
Schedatura: infornatura collettiva con tracce a fili di dramma in rame allegato Qualità EPTE (75303)

Numero conduttori:
da 2 a 25 con sezione da 0,75 a 1,5 mm²
da 2 a 20 con sezione da 2 a 2,5 mm²

Specifiche tecniche di riferimento: SAB 91074330 in data 05/05/2000, SAB 91074330 in data 05/05/2000

Normative di riferimento: IEC 60228, IEC 60929-355, IEC 60332-1, IEC 60332-3 cat.A.

Il presente certificato annulla e sostituisce il precedente N.ELE7281000CST datato 21.05.2000.

Genova 3 Aprile 2002
Andrea Capolito

Italy

E-mail: info@sabcable.com



Web site: www.sabcable.com

FLEXIBLE SPECIALITY CABLES

International Certificates for

753 C



NIPPON KAJI KYOKAI

Certificate of Type Test

Certificate No.
TA05123M

MANUFACTURER: Sab Bröckkes GmbH & Co. KG, Germany
 PRODUCT: Thermoplastic insulated and sheathed connection cable with screen
 TYPE NO.: 753C
 TYPE TEST NO.: 00T816

PARTICULARS:

Conductor	Plain annealed copper
Rated voltage	300/500V
Maximum operating temperature	100°C
Insulation	TPE-E (TPE 530)
Screen/Armour	Tinned copper wire braiding
Outer sheath	ETPE (TYM1)
Standard	IEC60228, IEC60332-1, IEC60332-2-1 Category A, IEC60332-2-2 Category C, IEC60811, EN50265-2-1
Number of cores	Cross-sectional area
2 to 25	0.75mm ² to 1.5mm ²
2 to 20	2.0mm ² to 2.5mm ²

THIS IS TO CERTIFY that the above mentioned product has been approved by the NIPPON KAJI KYOKAI in accordance with the Society's type test requirements for electrical equipment and cables.

This certificate is valid until the 19th day of June, 2008.
 Issued at Tokyo on the 5th day of March, 2005.

S. Ogawa
 General Manager
 Machinery Department

Japan



Type Approval Certificate Extension

This is to certify that Certificate No. 00/2004 (E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued by:

PRODUCER: SAB BRÖCKKES GmbH & Co. KG
 PLACE OF PRODUCTION: Crafzraher Strasse 204 - 212 b, 41749 Viersen, Germany
 DESCRIPTION: Thermoplastic insulated and sheathed connection cable with screen
 TYPE: 753C
 STANDARDS: IEC: 60228 - 2001, IEC: 60332-1 - 2004, EN 50265-1 - 1999, EN 50265-2-1 - 1999 - IEC 60332-1-2 - 2004, IEC 60332-2 Cat. C - 2000, IEC 60332-2-2 Cat. A - 2000, EN 60811 - 1995

APPLICATION: Fixed installation on ships and offshore units for the connection of measuring equipment and sensors in areas with higher ambient temperatures and increased EMC requirements.

"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 Approval Document No. ETS 15766 06 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 00/2004 (E1) to which this extension should be attached.

Certificate No. 00/2004 (E2)
 Issue Date: 10 October 2006
 Expiry Date: 29 June 2010
 Sheet: 1 of 1

Jörg Brüggen
 Hamburg Design Support Centre
 Lloyd's Register EMEA

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

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Great Britain

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13



TYPE APPROVAL CERTIFICATE

형식 승인 증명서

Certificate No.: KR15070508-01-001 Date of Approval: 26 August, 2006
 Product: Electric Cable
 Manufacturer: SAB Bröckkes GmbH & Co. KG, Leintrastr. 204-212b, D-41749 Viersen, Germany.

Product Description: Thermoplastic Insulated and Sheathed Connection Cable with Screen
 Type: TPE
 Rated Voltage: 300/500V
 Max. Operating Temperature: 100°C
 Number of Core/Outer Conductor Area: 2 to 25 cores / 0.75 to 2.5mm²
 Intended for: Electric Connection Cable for Measuring Transducer and Sensor with Screen
 * Tested in accordance with IEC 60228, IEC 60332-1, IEC 60332-2-1, EN 50265-2-1, IEC 60332-2-2 Cat. C

Approval Conditions: Product used as specified.

THIS IS TO CERTIFY that the above mentioned product has been approved in accordance with the minimum requirements of the Society's Rules and/or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approval Certificates".
 In G. Ch. 1, Sec. 1 of the Rules for Classification, Steel Ships.

This Certificate is valid until 26 August, 2010.
 Issued at Daejeon, Korea on 19th October, 2005.

Gwang Gwang Eon
 General Manager
 Electrical and Shipbuilding Dept.

Note: 1. This approval will be automatically withdrawn if the Certificate holder fails to comply with the requirements of the Certificate. 2. The manufacturer shall be responsible for any modification or changes to the product. 3. The manufacturer shall be responsible for any modification or changes to the product.

KR 15070508-01-001

Korea

Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product has/have been tested in accordance with the minimum requirements of the UL Type Approval System.

Certificate No.: 15 051 - 06 001
 Company: SAB BRÖCKKES GmbH & Co. KG, Crafzraher Strasse 204-212 b, D-41749 Viersen

Product Description: Thermoplastic insulated and sheathed connection cable with screen
 Type: 753 C

Environmental Category: None
 Technical Data: Rated voltage: 300/500 V, Maximum operating conductor temperature: 100°C
 Range of Application: Conductor: Platinized or unalloyed tinned copper (class 2), Insulation: TPE-E (TPE 530), Screen/Armour: Tinned copper wire braiding, Outer sheath: ETPE (TYM1)

Application category: 4 (As direct exposure to fire, heat, and other stresses with higher temperatures and increased EMC requirements)
 Number of cores: 2 to 25, 2 to 20, Cross-sectional area: 0.75 mm² to 1.5 mm², 2.0 mm² and 2.5 mm²

Test Standard: IEC 60228-2004, IEC 60332-1-2-2004, IEC 60332-2-2004 (Cat. A and C), IEC 60332-2-2 Cat. C
 Document: Test reports: SAB 15170508 dated 09.08.2006, SAB 15170508 dated 09.08.2006, SAB 15170508 dated 09.08.2006

Expiry Date: None
 Valid until: 2011-04-01
 Page: 1 of 1
 File No.: 14.01
 Hamburg, 2006-04-04

Wolfgang Voh
 Hamburg, 2006-04-04

Germanischer Lloyd
 This certificate is valid under the terms of the Rules for Classification of Type Approval, Part 1, Paragraph 1.

Germany

