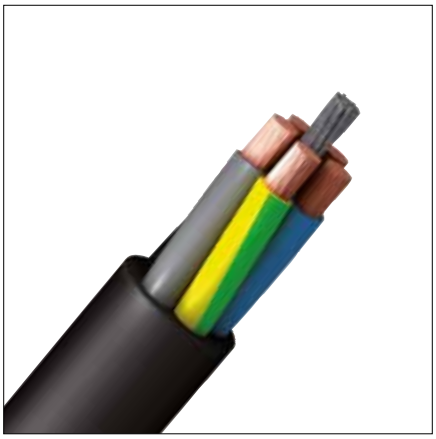
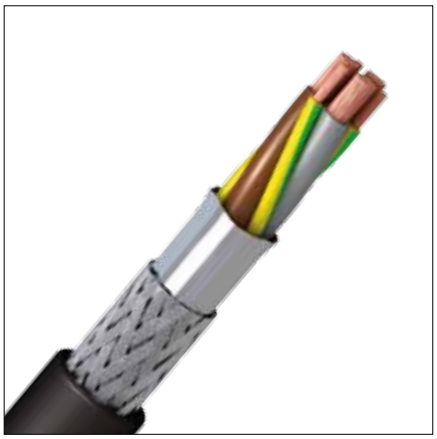
MARINE- & OFFSHORE
CABLES





PRODUCT CATALOGUE

SCANKABCables


MOKING

General Index

SCANKABCables

QUALITY CABLES MANUFACTURER

Quality cables manufacturer

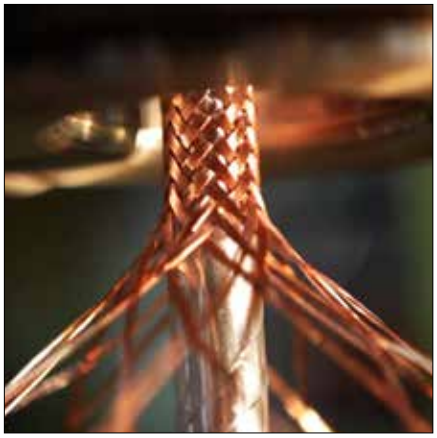
Our factory's technology is focused on the development and production of the highest quality electrical cables. Our cables are certified by internationally recognized organizations around the world.

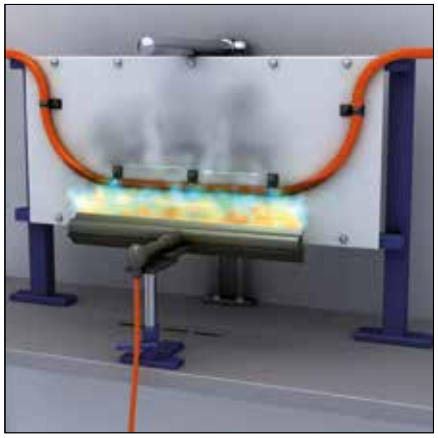
In order to maintain this standard we only work with the best certified suppliers of raw materials.

Our technical personnel are professionally trained and assure the highest level of quality in the cable production process.

The quality guarantee systems, approved according to the ISO 9001 standard are applied during all the manufacturing stages and guarantee that the cables will work perfectly.

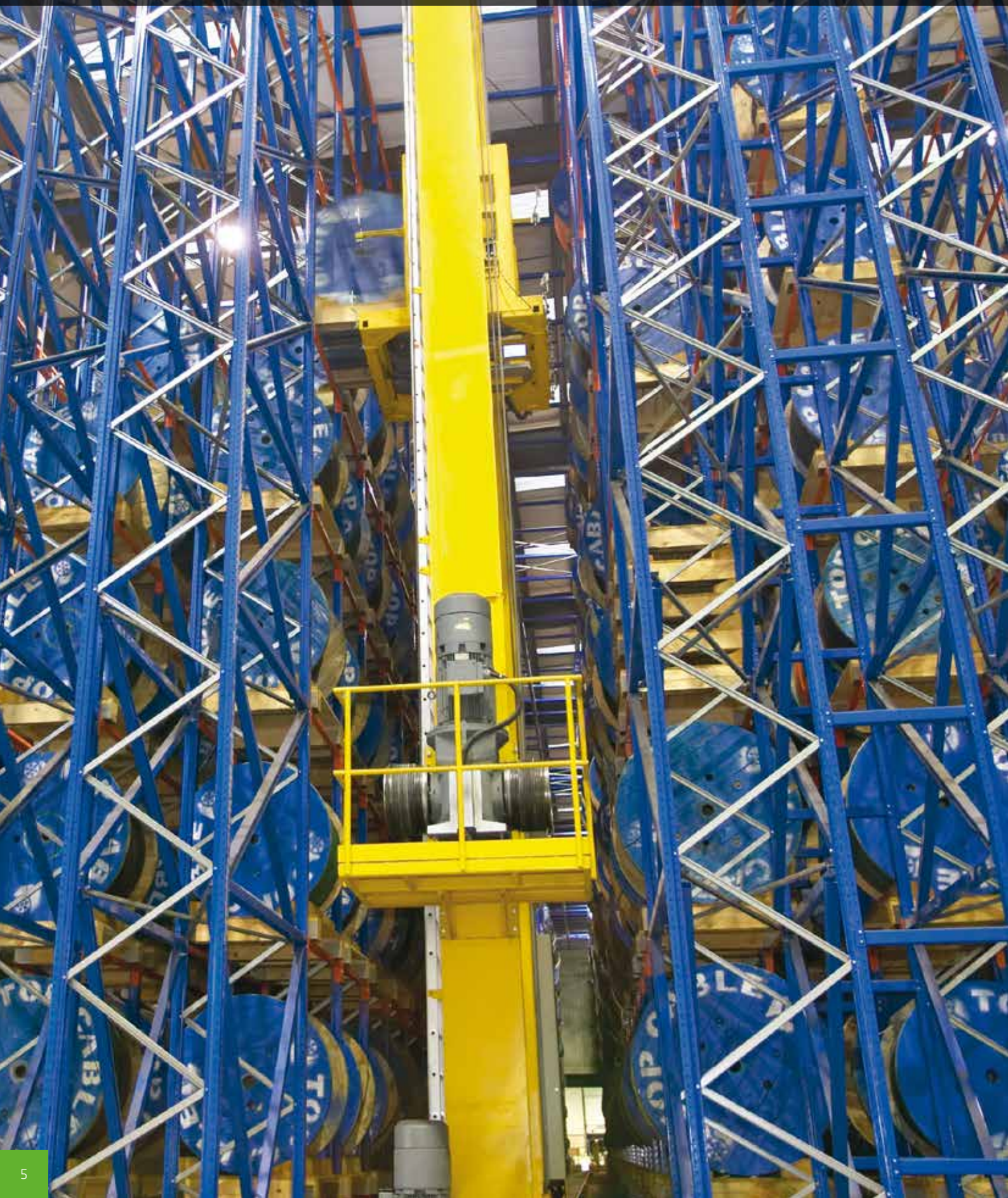
Recycling is an important part of our operation both in the processes and the materials that we use. We are commited to our social goals and a sustainable economic development.





SCANKABCables

SERVICE & ADDED VALUE ORIENTED



Service & added value oriented

Scankab Cables values all our clients and therefore we adhere to the philosophy of prompt customer service. To further instill this philosophy of value added service, we have invested in a state of the art logistics centre with the latest warehouse management system.

This sophisticated infrastructure enables our clients to save on storage, distribution and administration costs as we provide onsite deliveries to third parties.

Selecting the best transport companies for each destination as well as the type of shipment guarantees an extension of our service to destination and further afield. A worldwide computing platform coordinates all the logistics activities in real time, allowing us to meet the tightest deadlines.

Our staff are dedicated to providing a professional worldwide supply of cables with efficiency and a friendly service. This is the philosophy on which the company is based: quality and service.

SCANKABCables

MARINE AND OFFSHORE ENVIRONMENT

Scankab Cales is one of the leaders in manufacturing Halogen Free and Rubber Cables worldwide. The quality of our materials and products is well-known and recognized by customers on a global scale. We are continuously working in new cable developments and applications to meet the most demanding markets, such as Marine- and offshore cable needs.

Scankab Cables supplies a complete range of marine cables for vessels, shipyards, bulk carriers, container ships, FPSOs, tankers, drill ships, cruise ships, feeder vessels, reefers, gas tankers, as well as offshore cables for oil rigs, drilling rigs, offshore platforms, and such like.

Our range of cables includes halogen free low smoke emission cables, fire resistant cables, and also cables which are mud resistant for oil and gas applications and platforms.

HALOGEN FREE

For both marine and offshore applications. These safety cables are halogen free, flame and fire non propagators.

MUD RESISTANCE

For offshore applications.

Mud resistant cables specially designed to operate reliably in the harshest oil rig conditions.

STANDARDS

The standards applicable for marine and offshore installations are based on:

- Marine Power and control cables 0,6/1kV: IEC 60092-353.
- Marine Instrumentation cables 250V: IEC 60092-376.
- Marine Medium Voltage cables: IEC 60092-354.
- Offshore Power cables 0,6/1kV: IEC 60092-353. NEK TS 606.
- Offshore Control cables 0,6/1kV: IEC 60092-353. NEK TS 606.
- Offshore Instrumentation cables 250V: IEC 60092-376. NEK TS 606.
- Offshore Medium Voltage: IEC 60092-354. NEK TS 606.

SCANKABCables

Marine and offshore standards and tests

STANDARDS	DESIGNATION TITLE
IEC 60092-350	Electrical installations in ships - Part 350: General construction and test methods of power, control and instrumentation cables for shipboard and offshore applications
IEC 60092-351	Electrical installations in ships Part 351: Insulating materials for shipboard and offshore units, power, control, instrumentation, telecommunication and data cables
IEC 60092-352	Electrical installations in ships Part 352: Choice and installation of electrical cables
IEC 60092-353	Electrical installations in ships Part 353: Single and multicore non-radial field power cables with extruded solid insulation for rated voltage 1 kV and 3 kV.
IEC 60092-354	Electrical installations in ships – Part 354: Single -and three-core power cables with extruded solid insulation for rated voltages 6 kV (Um = 7,2kV) up to 30 kV (Um = 36 kV)
IEC 60092-359	Electrical installations in ships – Part 359: Sheathing materials for shipboard power and telecommunication cables.
IEC 60092-376	Electrical installations in ships – Part 376: Cables for control and instrumentation circuits 150/250 V (300 V)
IEC 60228	Conductors of insulated cables.
NEK TS 606	Cables for offshore installations - halogen-free and/or mud resistant -- Technical specification
IEC 60331-1	Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm
IEC 60331-2	Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm
IEC 60331-3	Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure
IEC 60331-11	Test for electric cables under fire conditions – Circuit integrity – Part 11 Apparatus – Fire alone at a flame temperature of at least 750°C
IEC 60331-21	Test for electric cables under fire conditions – Circuit integrity – Part 21 Procedures and requirements – Cables of rated voltage up to and including 0,6/1kV
IEC 60331-25	Test for electric cables under fire conditions – Circuit integrity – Part 25 Procedures and requirements – Optical fibre cables
IEC 60332-1-1	Test on electric and optical fibre cables under fire conditions. Part 1-1 Test for vertical flame propagation for a single insulated wire or cable - Apparatus
IEC 60332-1-2	Test on electric and optical fibre cables under fire conditions. Part 1-2 Test for vertical flame propagation for a single insulated wire or cable – Procedure for 1 kW pre-mixed flame

STANDARDS	DESIGNATION TITLE
IEC 60332-1-3	Test on electric and optical fibre cables under fire conditions. Part 1-3 Test for vertical flame propagation for a single insulated wire or cable – Procedure for determination of flaming droplets/particles
IEC 60332-2-1	Test on electric and optical fibre cables under fire conditions. Part 2-1 Test for vertical flame propagation for a single small insulated wire or cable - Apparatus
IEC 60332-2-2	Test on electric and optical fibre cables under fire conditions. Part 2-2 Test for vertical flame propagation for a single small insulated wire or cable – Procedure for diffusion flame
IEC 60332-3-10	Tests on electric and optical fibre cables under fire conditions. Part 3-10: test for vertical flame spread of vertically-mounted bunched wires or cables – Apparatus
IEC 60332-3-21	Tests on electric cables under fire conditions. Part 3-21 Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A F/R
IEC 60332-3-22	Tests on electric and optical fibre cables under fire conditions. Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A
IEC 60332-3-23	Tests on electric and optical fibre cables under fire conditions. Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category B
IEC 60332-3-24	Tests on electric and optical fibre cables under fire conditions. Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category C
IEC 60332-3-25	Tests on electric and optical fibre cables under fire conditions. Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category D
IEC 60446	Basic and safety principles for man-machine interface, marking and identification – Identification of conductors by colours or alphanumerics
IEC 60501-1	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 1: Cables for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV)
IEC 60754-1	Test on gases evolved during combustion of electrical cables. Part 1: Determination of the amount of halogen acid gas.
IEC 60754-2	Test on gases evolved during combustion of electrical cables. Part 2: Determination of degree of acidity of gases evolved during the combustion of materials taken from electric cables by measuring pH and conductivity.
IEC 60811	Common test methods for insulating and sheathing materials of electric cables.
IEC 61034-1	Measurement of smoke density of cables burning under defined conditions - Part 1: Test apparatus
IEC 61034-2	Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements

SCANKABCables

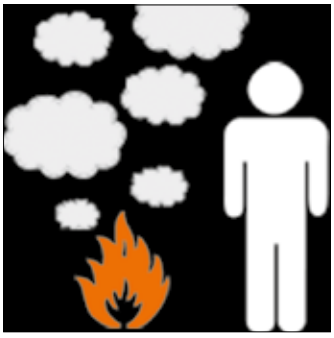
HALOGEN FREE CABLES

Halogen free cables (ZERO HALOGEN)

Halogen free cables remarkably improve the fire safety on ships and oil rigs by not emitting toxic fumes or thick smoke. In addition no corrosive gases damaging the ship and its equipment are emitted in case of a fire. The halogen free range of cables includes both flame retardant and fire resistant cables.

These cables have been specifically designed according to IEC applicable standards in order to comply with the requirements for marine and offshore installations in terms of construction, properties and performances. Our cables carry the approvals of leading certifying bodies in the maritime industry.

Because personal safety is our top priority, halogen free cables are suitable for marine installations where fire, smoke emission and toxic fumes create a potential threat to life and equipment.



THEY DO NOT EMIT TOXIC FUMES

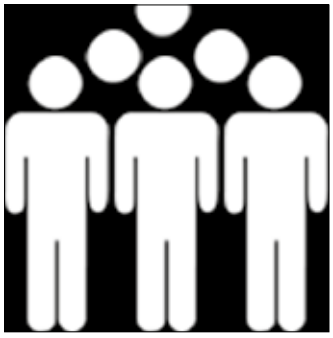
Thus avoiding the often lethal effects of gasses and acids produced by the combustion of cables that contain halogens.

THEY DO NOT EMIT CORROSIVE SUBSTANCES

As they do not emit hydrochloric acid, the electronic equipment and computers do not suffer corrosive damage.

LOW SMOKE EMISSION

LSZH Toxfree cables prevent the loss of visibility in the case of fire, thus allowing people to be evacuated quickly and facilitating the work of the rescue team.



RECOMMENDED FOR PUBLIC PLACES

In the event of fire, LSZH Toxfree cables do not emit toxic gases, thereby protecting people.

NO FLAME PROPAGATION

The special no flame propagation properties of the LSZH Toxfree cable range prevent disasters and improve the safety of the installations.

NO FIRE PROPAGATION PROPERTIES

The special no fire propagation properties of the LSZH Toxfree cable range prevent disasters and improve the safety of the installations.

FIRE RESISTANCE

Fire resistant cables transmit electric power in the extreme conditions of a prolonged fire, assuring an electric supply to emergency services.

ENVIRONMENTALLY FRIENDLY

They do not emit dioxins into the atmosphere as they do not contain any halogen substances.

SCANKABCables

MUD RESISTANT CABLES

It is difficult to find a more demanding environment for a cable than an oil rig: extremely high and low temperatures, heavy duty requirements, presence of water, salt, oils, chemical components and mud. Mud makes the difference between oil rigs and other industrial and petrochemical installations.

MUD DEFINITION

Liquid drilling fluid is often called drilling mud. In geotechnical engineering, this drilling fluid is used to aid the drilling of boreholes into the earth. Often used while drilling oil and natural gas wells and on exploration drilling rigs, drilling fluids are also used for much simpler boreholes, such as water wells. The three main categories of drilling fluids are water-based muds (WBM), which can be dispersed and non-dispersed; non-aqueous muds, usually called oil-based mud (OBM), Synthetic-based fluid (SBM) (Otherwise known as Low Toxicity Oil Based Mud or LTOBM) often used on offshore rigs because it has the properties of an oil-based mud, but the toxicity of the fluid fumes are much less than an oil-based fluid; and air/gaseous and foam fluids.

The main functions of drilling fluids include providing hydrostatic pressure to prevent formation fluids from entering into the well bore, keeping the drill bit cool and clean during drilling, carrying out drill cuttings, and suspending the drill cuttings while drilling is paused and when the drilling assembly is brought in and out of the hole. The drilling fluid used for a particular job is selected to avoid formation damage and to limit corrosion.

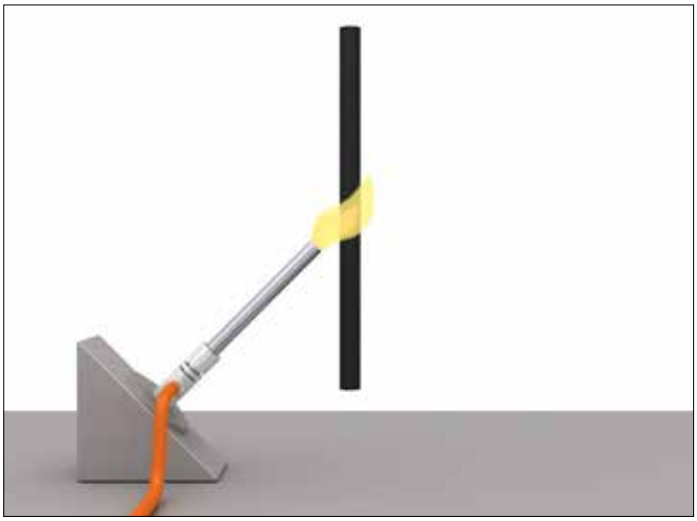
All of this can help you to understand the special properties and characteristics the outer sheath of the Offshore cables must have.

MUD RESISTANCE TEST

Mud resistant cables shall be designed with sheathing compounds suitable for installation and operation in contact with MUD. The suitability of sheathing materials for use in areas in which the cables are exposed to drilling fluids is heavily dependent upon the type of fluid present. Each type of fluid contains additives which they can have a deleterious effect on the sheathing material. The mud resistant cables shall have a sheath (SHF Mud) in accordance with NEK 606. They must also comply with the requirements in IEC 60092-359 for SHF2.

TEST FLUID	TEMPERATURE	DURATION	TENSILE STRENGTH VARIATION	ELONGATION AT BREAK VARIATION	VOLUME SWELL VARIATION	WEIGHT INCREASE VARIATION
MINERAL OIL TYPE IRM 903	100°C	7 D	30%	30%	30%	30%
CALCIUM BROMIDE BRINE (WATERBASED)	70°C	56 D	25%	25%	20%	15%
CARBO SEA (OIL BASED)	70°C	56 D	25%	25%	20%	15%

Flammability and fire propagation tests



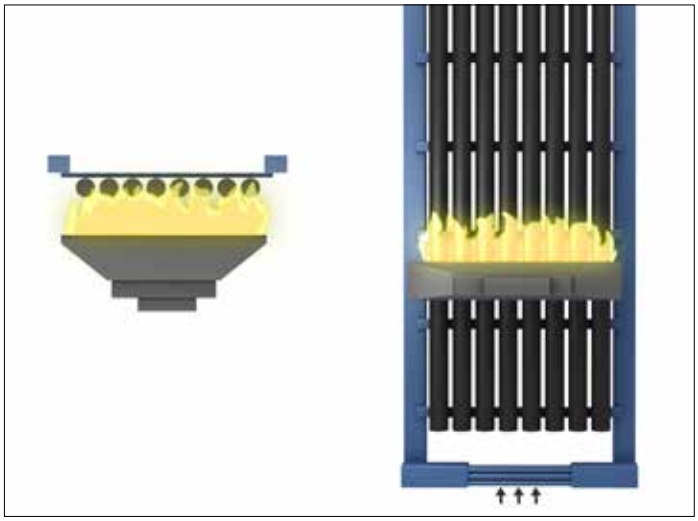
FLAME NON PROPAGATION

Based on EN 60332-1 / IEC 60332-1

Marine use

Oil rigs

The test consists of placing a 60 cm piece of cable in a vertical position in a cabinet, to avoid air currents, and applying a flame of 1 KW caloric power for 30 seconds. Once the heat source has been cut off, the flame must self extinguish while keeping the upper part intact. Thereby proving that the flame does not propagate. Most cables meet this minimum safety requirement, so that a short-circuit of brief duration does not cause a fire.



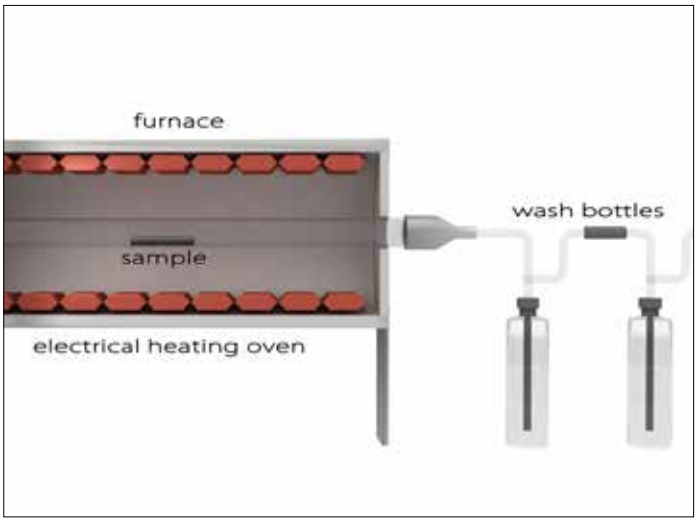
FIRE NON PROPAGATION

Based on EN 60332-3 / IEC 60332-3-22 (cat A)

Marine use

Oil rigs

The test consists of placing a number of cables together, in vertical positioning, in a large cabinet. At the base of the bunch of cables a flame of 20,5 KW is applied by means of a propane burner for duration of 40 minutes. Once the heat source is turned off, the remaining flame on the cables must self-extinguish leaving the upper part of the cable intact. Thereby proving that the cable does not propagate the spread of the flame for more than 2 m. Utilizing cables that meet this test prevent a localized fire from extending to other areas through the cable network.



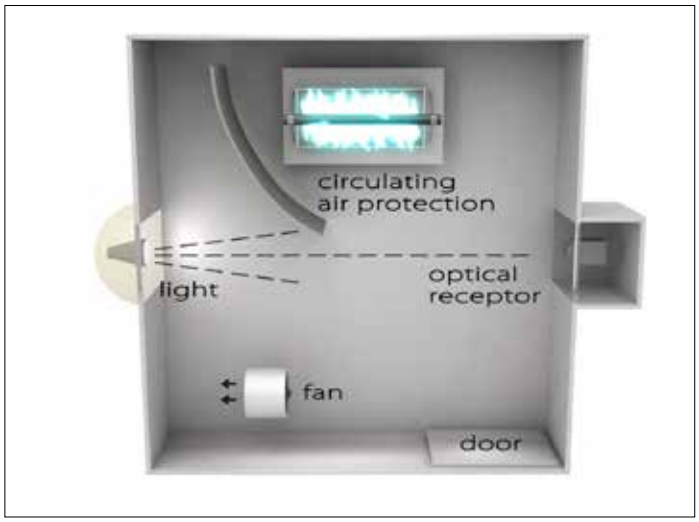
HALOGEN FREE

Based on EN-50267 / IEC 60754

Marine use

Oil rigs

The test consists of placing 1,0g of the insulating material of the cable in a laboratory oven and burning it. The gases released are chemically analyzed and the content of hydrochloric acid, pH and conductivity are measured. The halogens present must be less than 0.5%. By utilizing halogen-free insulating materials the toxicity of the gases released during a fire are reduced, thereby reducing the risk of poisoning by inhalation.



SMOKE OPACITY MEASUREMENT

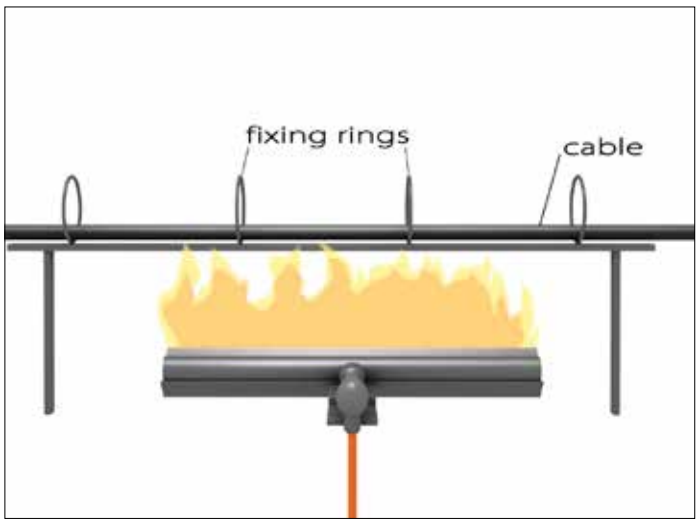
Based on EN 61034 / IEC 61034-2

Marine use

Oil rigs

The test consists of burning a number of 1m lengths of cable in a cabinet with a volume of 27 m^3. Smoke opacity is measured with a lamp with a constant brightness and a photometer. Luminous transmittance must be greater than 60%. By reducing smoke opacity in the event of a fire, the rapid location of emergency exits and the evacuation of the building are facilitated.

IEC: International Electrotechnical Commision
EN: European Norm

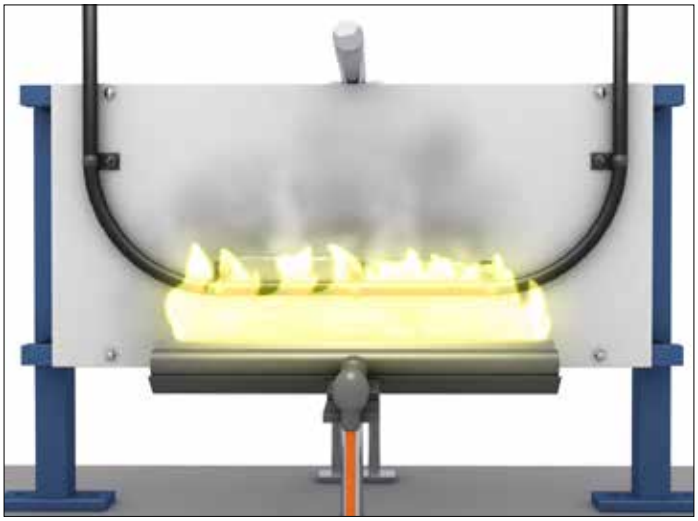


FIRE RESISTANCE

Based on IEC 60331-21

Marine use

The test consists of applying a high temperature flame of 750 ° C during a recommended period of 90 min. The cable must withstand the full intensity of the flame without failure. The cable must be able to continue supplying power in the event of a fire, assuring electricity to emergency circuits like signaling lights, acoustic alarms, etc. Optionally the test can be performed at 1000°C.



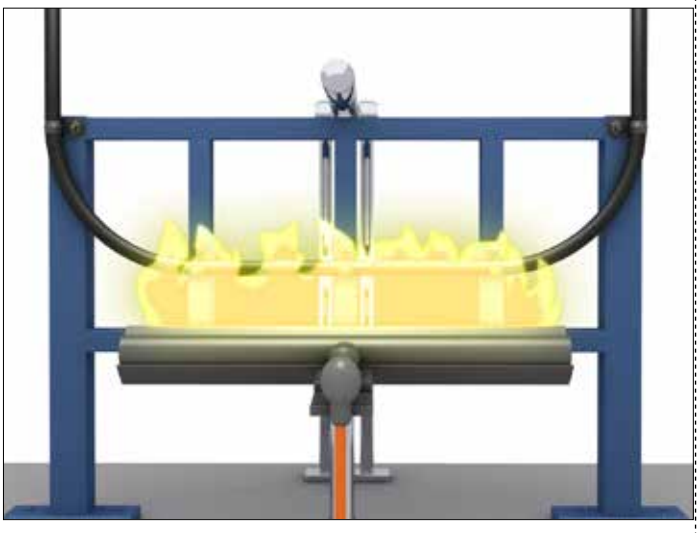
FIRE RESISTANCE

Based on IEC 60331-2
and EN 50200

Oil rigs

The cable is secured onto a positioning board and a flame is applied from the front. The positioning board is subjected to shocks every 15 minutes during the combustion period. The apparatus used must be according to IEC 60331-11. Cables with a diameter < 20 mm .

Recommended temperature and duration test are: min. 842 °C and 120 min. When fire is applied, it must still be possible to transmit power or signals via all conductors. There must be no short circuit between the conductors or to the shielding.



FIRE RESISTANCE

Based on IEC 60331-1

Oil rigs

The cable is secured onto a metallic structure and a flame is applied from the front. The positioning board is subjected to shocks every 15 minutes during the combustion period. The apparatus used must be according to IEC 60331-11. Cables with a diameter > 20 mm.

Recommended temperature and duration test are: min. 842 °C and 120 min. When fire is applied, it must still be possible to transmit power or signals via all conductors. There must be no short circuit between the conductors or to the shielding.

Fire test equivalences: IEC vs Cenelec

	IEC designation	CENELEC designation	DESCRIPTION
HALOGENS CONTENT		EN 50267-1	Common test methods for cables under fire conditions - Tests on gases evolved during combustion of materials from cables - Part 1: Apparatus
	IEC 60754-1	EN 50267-2-1	Common test methods for cables under fire conditions - Tests on gases evolved during combustion of materials from cables - Part 2-1: Procedures - Determination of the amount of halogen acid gas.
	IEC 60754-2	EN 50267-2-2	Common test methods for cables under fire conditions - Tests on gases evolved during combustion of materials from cables - Part 2-2: Procedures - Determination of degree of acidity of gases for materials by measuring pH and conductivity
		EN 50267-2-3	Common test methods for cables under fire conditions - Tests on gases evolved during combustion of materials from cables - Part 2-3: Procedures - Determination of degree of acidity of gases for cables by determination of the weighted average of pH and conductivity
SMOKE DENSITY	IEC 61034-1	EN 61034-1	Measurement of smoke density of cables burning under defined conditions - Part 1: Test apparatus
	IEC 61034-2	EN 61034-2	Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements

IEC: International electrotechnical commision
Cenelec: Comité Européen de Normalisation Electrotechnique (European Committee for Electrotechnical Standardization)

MUD, OIL, OZONE AND LOW TEMPERATURE RESISTANCE

Conformance tests for offshore: Mud, oil, ozone, and low temperature resistance

Oil rigs

MUD RESISTANCE

Based on NEK 606: 2009

Mud resistant cables shall be designed with sheathing compounds suitable for installation and operation in contact with MUD. The suitability of sheathing materials for use in areas in which the cables are exposed to drilling fluids is heavily dependent upon the type of fluid present. Each type of fluid contains additives which they can have a deleterious effect on the sheathing material.

Mud resistant cables shall have a sheath (SHF Mud) in accordance with NEK 606. It must also comply with the requirements in IEC 60092-359 for SHF2.

Oil rigs

OIL RESISTANCE

Based on IEC 60092-359

The sampling and test procedure shall be carried out in accordance with Clause 10 of IEC 60811-404, employing the conditions given in IEC 60092-359.

Mechanical properties are tested after oil immersion in hot oil type IRM 902 at 100°C for 24 hours. The mechanical limit properties of the outer sheath are: 40% maximum variation in tensile strength, 40% maximum variation in elongation at break.

Oil rigs

OZONE RESISTANCE

Based on IEC 60811-2-1 clause 8

Electrical equipment in a closed environment can produce high levels of ozone in the air. Ozone testing is a method used to determine a rubber or elastomer's resistance to ozone degradation.

Performed at 25°C+/- 2°C temperature for 24h with a maximum of 0,025 to 0,030 % ozone concentration in volume. After test sheath and underlying components shall not show cracks or breaks

Oil rigs

LOW TEMPERATURE RESISTANCE

Based on IEC 60092-350: 8.9 and CSA 22.2 nO. 03

Artic environments are very common in oil rigs installations. Cables must therefore withstand extremelly low temperatures. Cables become more rigid at lower temperatures due to the changing elasticity of insulating and outer sheath materials. Polymers have been designed to prevent cracks when bent at low temperatures circumstances.

The properties of our cables have been tested at low temperatures according to CSA 22.2 No. 03. The tests performed are: cold bend test at -40°C and impact test at -35°C.

IEC: International Electrotechnical Commission
EN: European Norm
NEK: Norwegian industry standard for the Offshore Oil and Gas, Ship & Marine Industries

SCANKABCables

General standards for marine cables

Cables on board are often exposed to extreme conditions. The construction and materials used in Scankab Cables Toxfree Marine cables are specifically designed to meet these demanding environments.

CONDUCTOR

Electrolytic annealed copper. Our conductors are flexible class 5 according to IEC 60228 saving time, resources and costs in the installation process.

INSULATION

Cross-linked polyethylene insulation, type LSZH XLPE-90°C according to IEC 60092-351 that has excellent mechanical and electrical properties and can withstand 250°C temperature in short circuit circumstances.

SHEATHING MATERIAL

Thermoplastic polyolefin type SHF1 according to IEC 60092-359. This material is halogen free, low smoke, non-corrosive and low opacity smoke emission and no fire and flame propagation. This makes these cables specially suitable for installation in ships for power, lighting and control and data circuits.

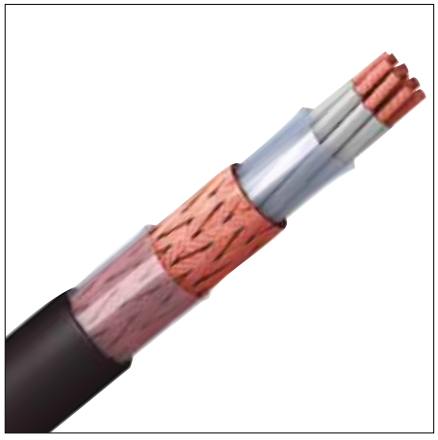
METER BY METER MARKING

Ensures the ease of tracking and replacement of cables.

STANDARDS

The standards applicable for marine installations are based on:

- Marine Power and control cables 0,6/1kV: IEC 60092-353
- Marine Instrumentation cables 250V: IEC 60092-376
- Marine Medium Voltage cables: IEC 60092-354



Scankab Cables Toxfree Marine range

Our portfolio for marine applications includes a full range of power, control and instrumentation cables. All of them available in armoured and unarmoured versions and also according to the fire performances: flame and fire retardant, and fire resistant. In this way, we cover almost all cable needs in marine installations.

All Toxfree Marine cables are designed and produced according to international standards. Our choice of materials and constructions ensure that the cables are resistant to vibration and to most chemicals and hydrocarbons, which are commonly used on board ships. Scankab Cables's range fully complies with the requirements specified in the IEC 60092 series of standards.

SCANKABCables

Marine cables designation

X	Cross-linked polyethylene insulation, type HF XLPE-90°C
TCu	Copper braid armour
Z1	Themoplastic Polyolefin. Low smoke, halogen free and flame retardant compound
K	Flexible class 5 conductors
(AS)	Flame retardant IEC 60332-3-22 (Category A)
(AS+)	Flame retardant IEC 60332-3-22 (Category A). Fire resistant IEC 60331-21
O1	Individual (per pairs) Aluminium / Polyester screen
O2	Overall (global) Aluminium / Polyester screen
O3	Individual (per pairs) and overall (global) Aluminium / Polyester screen
WB	With bedding

General summary chart

	APPLICATIONS		FIRE PERFORMANCE		SCREEN			SCREEN/ ARMOUR
	POWER 0,6/1KV	INSTRUMEN-TATION 250V	FIRE (AS)	FIRE-RESISTANT (AS+)	INDIVIDUAL 01 (Al/polyester)	OVERALL 02 (Al/polyester)	INDIVIDUAL AND OVERALL 03 (Al/polyester)	COPPER BRAID TCu
TOXFREE MARINE XZ1-K (AS)	✓		✓					
TOXFREE MARINE XTCuZ1-K (AS)	✓		✓					✓
TOXFREE MARINE PLUS XTCuZ1-K (AS) WB	✓		✓					✓
TOXFREE MARINE PLUS XZ1-K (AS+)	✓			✓				
TOXFREE MARINE PLUS XTCuZ1-K (AS+)	✓			✓				✓
TOXFREE MARINE PLUS XTCuZ1-K (AS+) WB	✓			✓				✓
TOXFREE MARINE XO1Z1-K (AS)	✓	✓		✓				
TOXFREE MARINE XO2Z1-K (AS)	✓	✓			✓			
						✓		
TOXFREE MARINE XO3Z1-K (AS)	✓	✓						
TOXFREE MARINE XO1TCuZ1-K (AS)	✓	✓		✓			✓	
TOXFREE MARINE XO2TCuZ1-K (AS)	✓	✓			✓		✓	
						✓		
TOXFREE MARINE XO3TCuZ1-K (AS)	✓	✓					✓	
TOXFREE MARINE PLUS XO1Z1-K (AS+)	✓		✓	✓				
TOXFREE MARINE PLUS XO2Z1-K (AS+)	✓		✓		✓			
						✓		
TOXFREE MARINE PLUS XO3Z1-K (AS+)	✓		✓					
TOXFREE MARINE PLUS XO1TCuZ1-K (AS+)	✓		✓	✓			✓	
TOXFREE MARINE PLUS XO2TCuZ1-K (AS+)	✓		✓		✓		✓	
						✓		
TOXFREE MARINE PLUS XO3TCuZ1-K (AS+)	✓		✓				✓	
TOXFREE H07Z1-K (AS)	✓		✓					

MARINE RANGE

Based on : IEC 60092-353

International norm : IEC 60092-350/351/359, IEC 60332-1, IEC 60332-3-22 (cat A), IEC 60754-1/2, IEC 61034-1/2

TOXFREE MARINE XZ1-K (AS)

The marine power cable.

DESIGN

Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228.

Insulation

LSZH XLPE 90°C.

The standard identification is the following:

1 x ..... Black
2 x ..... Blue + Brown
3 x..... Brown + Black + Grey
4 x..... Blue + Brown + Black + Grey
5 or more conductors ..... White with black numbers

Outer sheath

LSZH polyolephine outer sheath SHF1 type. Black colour, non-toxic and fire retardant.

APPLICATIONS

The Toxfree Marine XZ1-K (AS) cable with zero halogens is a high security cable. In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in marine applications.

CHARACTERISTICS

- Flexible conductor class 5
- Minimum bending radius: 5 x cable diameter
- LSZH
- Minimum service temperature for fixed installation: -40°C
- Meter by meter marking
- Low smoke emission: Light transmittance > 60%
- Maximum service temperature: 90°C
- Flame non-propagation
- Low corrosive gases emission
- Maximum short-circuit temperature: 250°C (maximum 5 s)
- Fire non-propagation
- Environmentally friendly

INSTALLATION CONDITIONS

- Mechanical stress impact: AG2. Medium severity
- Public places
- In conduit
- Outdoor installation: permanent
- Marine use
- Wall attached
- Water resistance: AD3 sprays
- Open air
- Chemical & oil resistance: acceptable
- On tray

TOXFREE XZ1-K (AS)

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
64001070	5704403041428	1x70	233	T./D.	15,3	704
64001095	5704403041435	1x95	285	T./D.	17,4	923
64001120	5704403041442	1x120	333	T./D.	19,0	1157
64001150	5704403041114	1x150	386	T./D.	21,3	1438
64001185	5704403041459	1x185	444	T./D.	23,9	1750
64001240	5704403045679	1x240	528	T./D.	26,9	2283
64002001	5704403041367	2x1,5	23	T./D.	8,0	97
64002002	5704403042425	2x2,5	31	T./D.	9,1	131
64003001	5704403041060	3x1,5	23	T./D.	8,9	118
64003001G	5704403041541	3G1,5	23	T./D.	8,9	118
64003002	5704403041107	3x2,5	31	T./D.	9,8	156
64003002G	5704403044917	3G2,5	31	T./D.	9,8	156
64003004	5704403044696	3x4	43	T./D.	10,9	211
64003006	5704403041190	3x6	55	T./D.	12,2	285
64003010	5704403041404	3x10	75	T./D.	14,6	442
64003016	5704403041640	3x16	87	T./D.	16,8	642
64003025	5704403042456	3x25	110	T./D.	21,0	1008
64003035	5704403041411	3x35	137	T./D.	24,0	1363
64003050	5704403042463	3x50	167	T./D.	27,9	1894
64003070	5704403042470	3x70	214	T./D.	30,5	2532
64003095	5704403042487	3x95	259	T./D.	36,6	3397
64003120	5704403042494	3x120	301	T./D.	40,2	4252
64003150	5704403047673	3x150	347	T./D.	45,1	5299
64003185	5704403061013	3x185	397	T./D.	50,7	6495
64004001	5704403041077	4x1,5	20	T./D.	9,7	140
64004001G	5704403042920	4G1,5	20	T./D.	9,7	140
64004002	5704403041374	4x2,5	28	T./D.	10,6	185
64004002G	5704403041534	4G2,5	28	T./D.	10,6	185
64004006	5704403041398	4x6	47	T./D.	13,5	351
64004016	5704403041596	4x16	87	T./D.	18,7	802
64004025	5704403051717	4x25	110	T./D.	23,7	1271
64004025G	5704403062799	4G25	110	T./D.	23,7	1271
64004035	5704403041602	4x35	137	T./D.	25,9	1690
64004035G	5704403062805	4G35	137	T./D.	25,9	1690
64004050	5704403041619	4x50	167	T./D.	31,3	2396
64004050	5704403062812	4G50	167	T./D.	31,3	2396
64004070G	5704403062836	4G70	214	T./D.	35,8	3284
64004095G	5704403062843	4G95	259	T./D.	40,6	4282
64004120	5704403062850	4G120	301	T./D.	44,8	5391
64004150G	5704403062867	4G150	347	T./D.	50,2	6748
64004240G	5704403062874	4G240	468	T./D.	63,7	10763
64005001	5704403041084	5x1,5	20	T./D.	10,4	165
64005001G	5704403041558	5G1,5	20	T./D.	10,4	165
64005002G	5704403041565	5G2,5	28	T./D.	11,8	229
64007001	5704403041091	7x1,5	11	T./D.	11,4	204
64007002	5704403044702	7x2,5	15	T./D.	12,5	265
64012001	5704403041626	12x1,5	9	T./D.	14,3	326
64019001	5704403041633	19x1,5	8	T./D.	17,3	435

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Based on : IEC 60092-353

International norm : IEC 60092-350/351/359, IEC 60332-1, IEC 60332-3-22 (cat A), IEC 60754-1/2, IEC 61034-1/2

TOXFREE MARINE XTCuZ1-K (AS)

The Marine armoured power cable.

DESIGN

Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228.

Insulation

LSZH XLPE 90°C.

The standard identification is the following:

1 x ..... Black
2 x..... Blue + Brown
3 x..... Brown + Black + Grey
4 x..... Blue + Brown + Black + Grey
5 or more conductors ..... White with black numbers

Armour

Copper braid screen.

Outer sheath

LSZH polyolephine outer sheath SHF1 type. Black colour, non-toxic and fire retardant.

APPLICATIONS

The Toxfree Marine XTCuZ1-K (AS) cable with zero halogens is a high security cable. In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in marine applications.

CHARACTERISTICS

- Flexible conductor class 5
- Minimum bending radius: 5 x cable diameter
- LSZH
- Mechanical stress impact: AG3. High severity
- Minimum service temperature for fixed installation: -40°C
- Meter by meter marking
- Low smoke emission: Light transmittance > 60%
- Outdoor installation: permanent
- Maximum service temperature: 90°C
- Flame non-propagation
- Low corrosive gases emission
- Water resistance: AD3 sprays
- Maximum short-circuit temperature: 250°C (maximum 5 s)
- Fire non-propagation
- Environmentally friendly
- Chemical & oil resistance: acceptable

INSTALLATION CONDITIONS

- Public places
- In conduit
- Marine use
- Wall attached
- Open air
- On tray

TOXFREE MARINE XTCuZ1-K (AS)

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
65001050	5704403060306	1x50	180	T./D.	17,0	702
65001070	5704403060290	1x70	233	T./D.	18,7	912
65001095	5704403046096	1x95	285	T./D.	20,8	1156
65001120	5704403043101	1x120	333	T./D.	22,6	1422
65001150	5704403041183	1x150	386	T./D.	24,9	1733
65001185	5704403050406	1x185	444	T./D.	27,5	2079
65001240	5704403045648	1x240	528	T./D.	30,5	2650
65002001	5704403042517	2x1,5	23	T./D.	10,5	102
65002002	5704403041473	2x2,5	31	T./D.	11,6	128
65002006	5704403043484	2x6	55	T./D.	14,3	216
65002010	5704403045273	2x10	75	T./D.	16,2	347
65003001	5704403041121	3x1,5	23	T./D.	11,4	125
65003001G	5704403041978	3G1,5	23	T./D.	11,4	125
65003002	5704403041176	3x2,5	31	T./D.	12,3	160
65003002G	5704403048212	3G2,5	31	T./D.	12,3	160
65003004	5704403045020	3x4	43	T./D.	14,0	216
65003006	5704403042524	3x6	55	T./D.	15,1	279
65003010	5704403042531	3x10	75	T./D.	17,5	455
65003016	5704403042548	3x16	87	T./D.	19,7	642
65003025	5704403042555	3x25	110	T./D.	23,4	948
65003035	5704403042562	3x35	137	T./D.	26,4	1265
65003050	5704403042647	3x50	167	T./D.	30,3	1739
65003070	5704403042579	3x70	214	T./D.	33,3	2330
65003095	5704403042586	3x95	259	T./D.	39,8	3145
65003120	5704403042593	3x120	301	T./D.	43,6	3931
65003150	5704403058204	3x150	347	T./D.	48,9	4826
65003185	5704403047345	3x185	397	T./D.	54,5	5870
65003240	5704403048229	3x240	468	T./D.	61,3	7573
65004001	5704403041480	4x1,5	20	T./D.	12,2	150
65004001G	5704403042937	4G1,5	20	T./D.	12,2	150
65004002	5704403041510	4x2,5	28	T./D.	13,1	198
65004002G	5704403042944	4G2,5	28	T./D.	13,1	198
65004004	5704403042609	4x4	37	T./D.	15,0	266
65004006	5704403042616	4x6	47	T./D.	16,6	386
65004010	5704403043491	4x10	65	T./D.	18,9	575
65004016	5704403043507	4x16	87	T./D.	21,6	822
65004025	5704403042623	4x25	110	T./D.	26,1	1219
65004035	5704403056811	4x35	137	T./D.	28,3	1616
65004050	5704403053476	4x50	167	T./D.	34,1	2252
65004070	5704403060948	4x70	214	T./D.	39,0	3152
65004095		4x95	259	T./D.	44,4	4086
65005001	5704403041138	5x1,5	20	T./D.	12,9	177
65005001G	5704403041985	5G1,5	20	T./D.	12,9	177
65005002	5704403041503	5x2,5	28	T./D.	14,7	239
65005002G	5704403041992	5G2,5	28	T./D.	14,7	239
65007001	5704403041145	7x1,5	11	T./D.	14,3	219
65012001	5704403042630	12x1,5	9	T./D.	17,2	369
65016001	5704403059089	16x1,5	8	T./D.	19,5	474

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Based on : IEC 60092-353

International norm : IEC 60754-1/2, IEC 60332-1/3 IEC 61034-1/2, IDNV, KEMA-KEUR, GOST, CEBEC, CE, RoHS

TOXFREE MARINE ROZ1-K (AS) VFD EMC

The Marine armoured power cable

DESIGN

Conductor

Flexible electrolytic Cu, class 5

Insulation

XLPE

The standard identification is the following:
3 x..... Yellow/Green + Blue + Brown
4 x..... Yellow/Green + Brown + Black + Grey
5 or more conductors ..... Yellow/Green + Blue + Brown + Black + Grey

Screen

Foil screen, tin coated braided Cu screen

Filling sheath

Flexible halogen free material

Outer sheath

Extra flexible halogen free compound, black

APPLICATIONS

TOXFREE MARINE ROZ1-K (AS) VFD EMC is especially suitable for all use where the demand is for double shielded cables in connection with EMC. The cable is used in industrial- and building installations, in public buildings, power plants, and engine installations or anywhere where there is a demand for 0.6/1 kV shielded, halogen free, 90° C cable. The cable may be laid directly in the ground.

CHARACTERISTICS

- Flexible conductor class 5
- Minimum bending radius: 10 x cable diameter
- LSZH
- Maximum service temperature: 90°C
- Meter by meter marking
- Mechanical stress impact: AG3. High severity
- Maximum short-circuit temperature: 250°C (maximum 5 s)
- Flame non-propagation
- Chemical & oil resistance: acceptable
- Environmentally friendly
- Fire non-propagation
- Water resistance: AD3 sprays

INSTALLATION CONDITIONS

- Can be burried
- In conduit
- Marine use
- UV resistant
- Open air
- For industrial use
- On tray

TOXFREE MARINE ROZ1-K (AS) VFD EMC

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
32093006	5704403047147	3x6+3G1,5	54	T./D.	14,0	341
32093010	5704403047154	3x10+3G1,5	75	T./D.	17,0	544
32093016	5704403047161	3x16+3G2,5	100	T./D.	17,6	710
32093025	5704403047178	3x25+3G4	127	T./D.	21,5	1000
32093035	5704403038329	3x35+3G6	158	T./D.	24,2	1400
32093050	5704403046034	3x50+3G10	198	T./D.	28,5	2000
32093070	5704403044429	3x70+3G10	246	T./D.	32,0	2605
32093095	5704403043613	3x95+3G16	298	T./D.	36,5	3445
32093120	5704403045655	3x120+3G16	346	T./D.	40,5	4220
32094150	5704403038350	3x150+3G25	399	T./D.	45,2	5344
32094185	5704403038367	3x185+3G35	456	T./D.	51,0	6686
32094240	5704403038374	3x240+3G50	538	T./D.	56,9	8759

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Based on : IEC 60092-376, IEC 60092-350

International norm : IEC 60092-350/351/359, IEC 60332-1, IEC 60332-3-22 (cat A), IEC 60754-1/2, IEC 61034-1/2

TOXFREE MARINE XOxZ1-K (AS) - (x:1...3)

The Marine instrumentation cable

DESIGN

Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228.

Insulation

LSZH XLPE 90°C.

The standard identification is the following per pair:
1 x ..... Blue
1 x ..... White
Each pair is numbered.

Screen

01... Individual screen. Polyester tape with Cu drain wire.
02...Overall screen of aluminum. Polyester tape with tinned copper drain wire.
03... Individual and overall screen of aluminum. Polyester tape with Cu drain wire.

Outer sheath

LSZH polyolephine outer sheath SHF1 type. Grey colour, non-toxic and fire retardant.
Fire resistant version also available.

APPLICATIONS

The Toxfree Marine XOxZ1-K (AS) cable is a highly flexible cable for permanent installation on ships and offshore units. The cable is particularly suitable for power circuits where shielding is required, or areas which requires additional protection against possible shock. The cable material is halogen free, has low smoke emission and is fire retardant.

CHARACTERISTICS

- Flexible conductor class 5
- Minimum service temperature for fixed installation: -40°C
- Maximum service temperature: 90°C
- Electric fields resistant
- Minimum bending radius: 5 x cable diameter
- Meter by meter marking
- Flame non-propagation
- Fire non-propagation
- LSZH
- Low smoke emission: Light transmittance > 60%
- Low corrosive gases emission
- Environmentally friendly
- Mechanical stress impact: AG3. High severity
- Outdoor installation: permanent
- Water resistance: AD3 sprays
- Chemical & oil resistance: acceptable

INSTALLATION CONDITIONS

- Public places
- Marine use
- Open air
- On tray
- In conduit
- Wall attached

TOXFREE MARINE X02Z1-K (AS)

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
61520175	5704403056842	1x2x0,75	17,1	T./D.	6,2	50
61520275	5704403056859	2x2x0,75	13,7	T./D.	10,3	90
61520475	5704403056866	4x2x0,75	11,2	T./D.	12,1	140
61520775	5704403056873	7x2x0,75	9,2	T./D.	14,5	210
61521075	5704403056880	10x2x0,75	8,6	T./D.	18,7	290
61521475	5704403056897	14x2x0,75	7,4	T./D.	20,4	370
* The values can have small deviations						

TOXFREE MARINE X03Z1-K (AS)

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
61820175		1x2x0,75	17,1	T./D.	6,2	90
61820275	5704403064489	2x2x0,75	13,7	T./D.	10,6	125
61820475		4x2x0,75	11,2	T./D.	12,3	190
61820775		7x2x0,75	9,2	T./D.	14,7	260
61821075		10x2x0,75	8,6	T./D.	19,0	330
61821475		14x2x0,75	7,4	T./D.	20,8	420
* The values can have small deviations						

For further technical data please request this cable's technical datasheet.

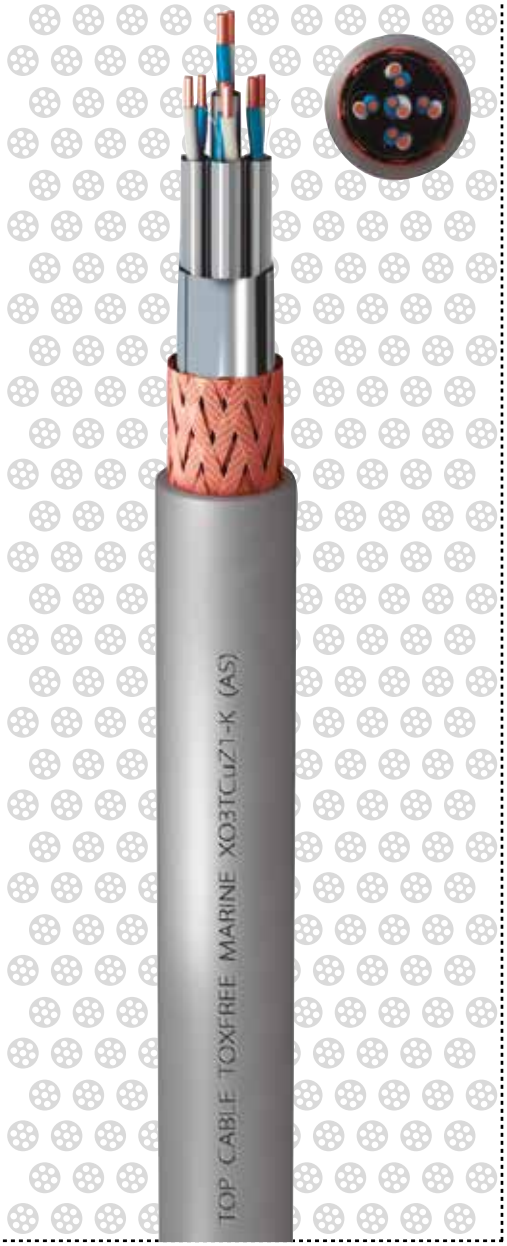
Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Based on : IEC 60092-376, IEC 60092-350

International norm : IEC 60092-350/351/359, IEC 60332-1, IEC 60332-3-22 (cat A), IEC 60754-1/2, IEC 61034-1/2

TOXFREE MARINE XOxTCuZ1-K (AS) - (x:1...3)

The Marine armoured instrumentation cable



DESIGN

Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228.

Insulation

LSZH XLPE 90°C.

The standard identification is the following per pair:
1 x ..... Blue
1 x ..... White
Each pair is numbered

Screen

Individual and/or collective aluminium / polyester tape with tinned copper drain wire
01 ... Individual screen (per pair)
02 ... Overall screen (per cable)
03 ... Individual and overal screen

Armour bedding

Polyester tape.

Armour

Copper braid screen.

Outer sheath

LSZH polyolephine outer sheath SHF1 type. Grey colour, non-toxic and fire retardant.
Fire resistant version also available.

APPLICATIONS

The Toxfree Marine XOxTCuZ1-K (AS) cable with zero halogens is a high security instrumentation cable. In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in marine applications.

CHARACTERISTICS

- Flexible conductor class 5
- Minimum bending radius: 5 x cable diameter
- LSZH
- Mechanical stress impact: AG3. High severity
- Public places
- In conduit
- Minimum service temperature for fixed installation: -40°C
- Meter by meter marking
- Low smoke emission: Light transmittance > 60%
- Outdoor installation: permanent
- Marine use
- Wall attached
- Maximum service temperature: 90°C
- Flame non-propagation
- Low corrosive gases emission
- Water resistance: AD3 sprays
- Open air
- Electric fields resistant
- Fire non-propagation
- Environmentally friendly
- Chemical & oil resistance: acceptable
- On tray

INSTALLATION CONDITIONS

TOXFREE MARINE X02TCuZ1-K (AS)

ITEM NO.	EAN NO.	DIMENSION MM²	WINDING	DIAMETER MM *	WEIGHT KG/KM *
61620175	5704403056903	1x2x0,75	T./D.	7,2	90
61620275	5704403056910	2x2x0,75	T./D.	11,3	150
61620475	5704403056927	4x2x0,75	T./D.	13,1	215
61620775	5704403056934	7x2x0,75	T./D.	15,9	340
61621475	5704403060276	14x2x0,75	T./D.	21,9	605
* The values can have small deviations					

TOXFREE MARINE X03TCuZ1-K (AS)

ITEM NO.	EAN NO.	DIMENSION MM²	WINDING	DIAMETER MM *	WEIGHT KG/KM *
61720175		1x2x0,75	T./D.	7,2	90
61720275	5704403062928	2x2x0,75	T./D.	11,3	150
61720475	5704403058587	4x2x0,75	T./D.	13,1	215
61720775		7x2x0,75	T./D.	15,9	340
61721475		14x2x0,75	T./D.	21,9	605
* The values can have small deviations					

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Based on : IEC 60092-353

International norm : IEC 60092-350/351/359, IEC 60331-21, IEC 60332-1-2, IEC 60332-3-22 (cat A), IEC 60754-1/2, IEC 61034-1/2 CE, RoHS, Bureau Veritas, DNV, Lloyd's Register

TOXFREE MARINE

XZ1-K (AS+) IEC 60331

The Marine fire resistant power cable.

DESIGN

Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228.

Insulation

Mica Tape + LSZH XLPE 90°C.

The standard identification is the following:

1 x ..... Black
2 x..... Blue + Brown
3 x..... Brown + Black + Grey
4 x..... Blue + Brown + Black + Grey
5 or more conductors ..... White with black numbers

Outer sheath

LSZH polyolephine outer sheath SHF1 type. Orange colour, non-toxic, fire retardant and fire resistant.

APPLICATIONS

The Toxfree Marine Plus XZ1-K (AS+) is specially designed to transmit electric power in the presence of fire, assuring electric supply to emergency circuits, like signaling lights, smoke extractors, acustic alarms, water pumps, etc. In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in public places and marine applications.

CHARACTERISTICS

- Flexible conductor class 5
- Minimum service temperature for fixed installation: -40°C
- Maximum service temperature: 90°C
- Maximum short-circuit temperature: 250°C (maximum 5 s)
- Minimum bending radius: 5 x cable diameter
- Fire resistant
- Flame non-propagation
- Fire non-propagation
- LSZH
- Low smoke emission: Light transmittance > 60%
- Low corrosive gases emission
- Environmentally friendly
- Mechanical stress impact: AG3. High severity
- Outdoor installation: permanent
- Water resistance: AD3 sprays
- Chemical & oil resistance: acceptable

INSTALLATION CONDITIONS

- Emergency circuits
- Public places
- Marine use
- Open air
- On tray
- In conduit
- Wall attached

TOXFREE MARINE XZ1-K (AS+) IEC 60331

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
64001050	5704403042418	1x50	180	T./D.	13,4	510
64001070	5704403041428	1x70	233	T./D.	15,3	704
64001095	5704403041435	1x95	285	T./D.	17,4	923
64001120	5704403041442	1x120	333	T./D.	19,0	1157
64001150	5704403041114	1x150	386	T./D.	21,3	1438
64001185	5704403041459	1x185	444	T./D.	23,9	1750
64001240	5704403045679	1x240	528	T./D.	26,9	2283
64001240G		1G240	528	T./D.	26,9	2283
64001300	5704403062454	1x300	612	T./D.	29,6	2864
64001400	5704403057443	1x400	823	T./D.	34,0	3784
64002001	5704403041367	2x1,5	23	T./D.	8,0	97
64002002	5704403042425	2x2,5	31	T./D.	9,1	131
64002004	5704403042432	2x4	43	T./D.	10,2	176
64002006	5704403042449	2x6	55	T./D.	11,4	234
64002010		2x10	75	T./D.	13,3	348
64002016	5704403062379	2x16	100	T./D.	15,1	493
64003001	5704403041060	3x1,5	23	T./D.	8,9	118
64003001G	5704403041541	3G1,5	23	T./D.	8,9	118
64003002	5704403041107	3x2,5	31	T./D.	9,8	156
64003002G	5704403044917	3G2,5	31	T./D.	9,8	156
64003004	5704403044696	3x4	43	T./D.	10,9	211
64003006	5704403041190	3x6	55	T./D.	12,2	285
64003010	5704403041404	3x10	75	T./D.	14,6	442
64003016	5704403041640	3x16	87	T./D.	16,8	642
64003025	5704403042456	3x25	110	T./D.	21,0	1008
64003035	5704403041411	3x35	137	T./D.	24,0	1363
64003050	5704403042463	3x50	167	T./D.	27,9	1894
64003070	5704403042470	3x70	214	T./D.	30,5	2532
64003095	5704403042487	3x95	259	T./D.	36,6	3397
64003120	5704403042494	3x120	301	T./D.	40,2	4252
64003150	5704403047673	3x150	347	T./D.	45,1	5299
64003185	5704403061013	3x185	397	T./D.	50,7	6495
64003240		3x240	468	T./D.	57,3	8461
64004001	5704403041077	4x1,5	20	T./D.	9,7	140
64004001G	5704403042920	4G1,5	20	T./D.	9,7	140
64004002	5704403041374	4x2,5	28	T./D.	10,6	185
64004002G	5704403041534	4G2,5	28	T./D.	10,6	185
64004004	5704403041381	4x4	37	T./D.	12,1	262
64004006	5704403041398	4x6	47	T./D.	13,5	351
64004010	5704403041589	4x10	65	T./D.	16,0	544
64004016	5704403041596	4x16	87	T./D.	18,7	802
64004025	5704403051717	4x25	110	T./D.	23,7	1271
64004025G	5704403062799	4G25	110	T./D.	23,7	1271
64004035	5704403041602	4x35	137	T./D.	25,9	1690
64004035G	5704403062805	4G35	137	T./D.	25,9	1690
64004050	5704403041619	4x50	167	T./D.	31,3	2396
64004050	5704403062812	4G50	167	T./D.	31,3	2396

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Based on : IEC 60092-353

International norm : IEC 60092-350/351, IEC 60331-21, IEC 60332-1/2, IEC 60332-3-22 (cat A), IEC 60754-1/2, IEC 61034-1/2 CE, RoHS, Bureau Veritas, DNV, LLoyd's Register

TOXFREE MARINE

XTCuZ1-K (AS+) - Screened IEC 60331

The Marine armoured and fire resistant power cable.

DESIGN

Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228.

Insulation

Mica Tape + LSZH XLPE 90°C.

The standard identification is the following:

1 x ..... Black
2 x..... Blue + Brown
3 x..... Brown + Black + Grey
4 x..... Blue + Brown + Black + Grey
5 or more conductors ..... White with black numbers

Armour bedding

Halogen free barrier. Polyester tape.

Armour

Copper braid screen.

Outer sheath

LSZH polyolephine outer sheath SHF1 type. Orange colour, non-toxic, fire retardant and fire resistant.

APPLICATIONS

The Toxfree Marine Plus XTCuZ1-K (AS+) is specially designed to transmit electric power in the presence of fire, assuring electric supply to emergency circuits, like signaling lights, smoke extractors, acustic alarms, water pumps, etc. In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in public places and marine applications.

CHARACTERISTICS

- Flexible conductor class 5
- Minimum bending radius: 5 x cable diameter
- LSZH
- Minimum service temperature for fixed installation: -40°C
- Fire resistant
- Low smoke emission: Light transmittance > 60%
- Maximum service temperature: 90°C
- Flame non-propagation
- Low corrosive gases emission
- Maximum short-circuit temperature: 250°C (maximum 5 s)
- Fire non-propagation
- Environmentally friendly

INSTALLATION CONDITIONS

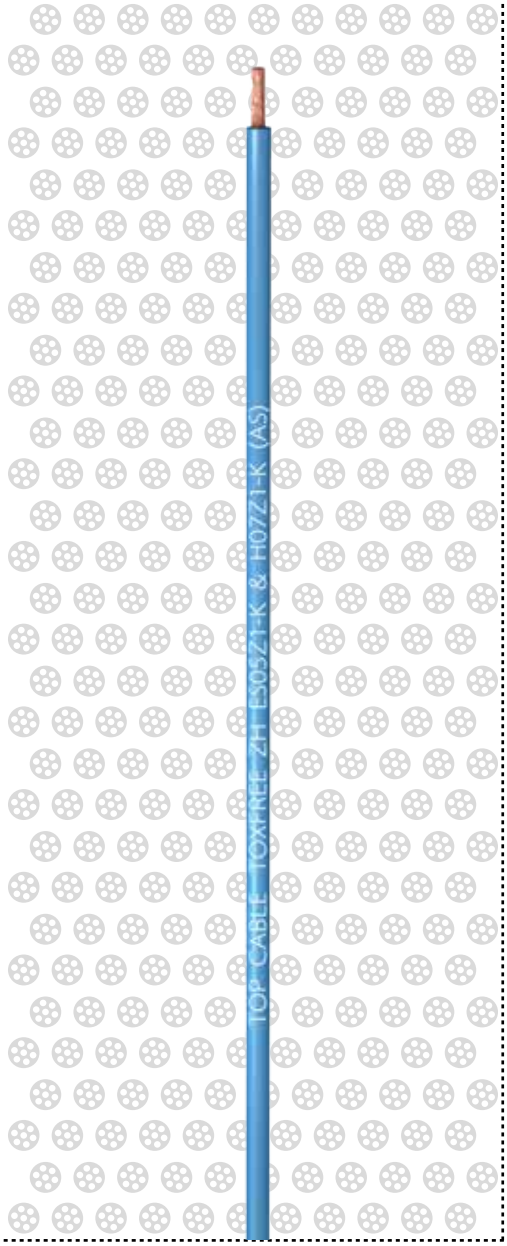
- Mechanical stress impact: AG3. High severity
- Outdoor installation: permanent
- Water resistance: AD3 sprays
- Chemical & oil resistance: acceptable
- Emergency circuits
- Public places
- Marine use
- Open air
- On tray
- In conduit
- Wall attached

Based on : IEC 60502 - UNE 21123-2

International norm : IEC 60332-1, IEC 60332-3-22, IEC 60228, IEC 60092-350/351/359, IEC 60754-1/2, IEC 61034-1/2, HD 21.15, AENOR, HAR, Bureau Veritas, CE, RoHS

ES05Z1-K / H07Z1-K

Power and flexibility to the limit.



DESIGN

Conductor
Flexible Cu, class 5

Insulation
Halogen free compound

Outer sheath
Dark blue: RAL 5003
Brown: RAL 8003
Black: RAL 9005
Grey: RAL 7000
Yellow/green: RAL 1021/6018
Light blue: RAL 5012
White: RAL 9010
Red: RAL 3000
Orange: RAL 2003

APPLICATIONS

ES05Z1-K & H07Z1-K is used as a fitting wire in electrical installations, or where a halogen-free wire is needed.

BUREAU VERITAS MARINE DIVISION

CHARACTERISTICS

- Maximum service temperature: 90°C
- Flae retardant acc. to IEC 60332-1
- Mechanical stress impact: AG3. High severity
- Torsion resistant
- Max. short circuit. temp. +250°C
- High flexibility
- Water resistance: AD4 splashes
- Withstands freezing
- Bending radius (4 times cable diameter)
- Meter marked
- Oil and grease resistant
- Chemical & oil resistance: excellent
- UV-resistant
- Abrasion resistant

INSTALLATION CONDITIONS

- Suitable for deep water wells
- Suitable for underwater pumps
- For use in wind turbines
- Open air
- Can be immersed into water
- Crane cable
- For industial use
- For robot technology

ES05Z1-K / H07Z1-K

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	COLOUR	WINDING	DIAMETER MM *	WEIGHT KG/KM *
534007502	5704403016051	0,75	11	Black	SP-200	2,3	11
534007503	5704403060047	0,75	11	Dark blue	SP-200	2,3	11
534007504	5704403016068	0,75	11	Green/Yellow	SP-200	2,3	11
534007505	5704403016075	0,75	11	White	SP-200	2,3	11
534007506	5704403016082	0,75	11	Red	SP-200	2,3	11
534007507	5704403056323	0,75	11	Grey	SP-200	2,3	11
534007508	5704403058099	0,75	11	Brown	SP-200	2,3	11
534007509	5704403061952	0,75	11	Violet	SP-200	2,3	11
534007515	5704403056316	0,75	11	Orange	SP-200	2,3	11
534007538	5704403060160	0,75	11	Dark blue	SP-200	2,3	11
534010002	5704403016105	1	14	Black	R-100	2,5	13
534010003	5704403047895	1	14	Blue	R-100	2,5	13
534010004	5704403038947	1	14	Green/Yellow	R-100	2,5	13
534010008	5704403052769	1	14	Brown	R-100	2,5	13
534010009	5704403061969	1	14	Violet	R-100	2,5	13
534015002	5704403016112	1,5	17	Black	R-100	2,9	20
534015003	5704403016129	1,5	17	Blue	R-100	2,9	20
534015004	5704403016136	1,5	17	Green/Yellow	R-100	2,9	20
534015006	5704403016143	1,5	17	Red	R-100	2,9	20
534015008	5704403056330	1,5	17	Brown	R-100	2,9	20
534025002	5704403016150	2,5	24	Black	R-100	3,5	31
534025003	5704403016167	2,5	24	Blue	R-100	3,5	31
534025004	5704403048946	2,5	24	Green/Yellow	R-100	3,5	31
534025008	5704403056347	2,5	24	Brown	R-100	3,5	31
534040002	5704403016174	4	32	Black	R-100	4,1	45
534040003	5704403051106	4	32	Blue	R-100	4,1	45
534040004	5704403048939	4	32	Green/Yellow	R-100	4,1	45
534040008	5704403048939	4	32	Brown	R-100	4,1	45
534060002	5704403016181	6	41	Black	R-100	4,6	62
534060003	5704403033973	6	41	Blue	R-100	4,6	62
534060004	5704403033959	6	41	Green/Yellow	R-100	4,6	62
534060008	5704403049714	6	41	Brown	R-100	4,6	62
534100002	5704403016198	10	57	Black	R-100	6,0	108
543100003	5704403060139	10	57	Blue	R-100	6,0	108
534100004	5704403035014	10	57	Green/Yellow	R-100	6,0	108
534100008	5704403061747	10	57	Brown	R-100	6,0	108
534160002	5704403016204	16	76	Black	R-100	7,0	160
534160003	5704403053421	16	76	Blue	R-100	7,0	160
534160004	5704403025503	16	76	Green/Yellow	R-100	7,0	160
534160008	5704403061754	16	76	Brown	R-100	7,0	160
534160011	5704403016211	16	76	Grey	R-100	7,0	160
534250002	5704403016228	25	101	Black	T./D.	8,9	251
534250003	5704403060146	25	101	Blue	T./D.	8,9	251
534250004	5704403016235	25	101	Green/Yellow	T./D.	8,9	251
534250008	5704403061761	25	101	Brown	T./D.	8,9	251
534350002	5704403016242	35	125	Black	T./D.	9,9	336
534350003	5704403053438	35	125	Blue	T./D.	9,9	336
534350004	5704403052752	35	125	Green/Yellow	T./D.	9,9	336
534350008	5704403061778	35	125	Brown	T./D.	9,9	336

Based on : IEC 60502 - UNE 21123-2

International norm : IEC 60332-1, IEC 60502, VDE, AENOR, Bureau Veritas, CEBEC, GOST, CE, RoHS

POWERFLEX RV-K

Fire resistant offshore instrumentation 250 V individually screened

DESIGN

Conductor
Flexible electrolytic Cu, class 5

Insulation
XLPE

The standard identification is the following:

1 x	Transparent
2 x	Blue + Brown
3 G	Blue + Brown + Yellow/green
3 x	Brown + Black + Grey
3 x + 1 x	Brown + Black + Grey + Blue (reduced cross-section)
4 G	Brown + Black + Grey + Yellow/green
4 x	Brown + Black + Grey + Blue
5 G	Brown + Black + Grey + Yellow/green + Blue

Filling sheath
Flexible unleaded PVC

Outer sheath
Extra flexible black acrylic, PVC-compound, UV resistant

APPLICATIONS

POWERFLEX® RV-K is a series of very unique flexible installation cables. The cables are built as flexible installation cables by one of the worlds leading cable producers. The cables are manufactured of PVC and are suited for all use in street lights, industry and building installations. They are very suitable for installations where a flexible connection is needed such as in a motor, generator and similar. The cables can be buried directly in the soil.

CHARACTERISTICS

- Maximum service temperature: 90°C
- Flae retardant acc. to IEC 60332-1
- Mechanical stress impact: AG3. High severity
- Max. short circuit. temp. +250°C
- High flexibility
- Water resistance: AD4 splashes
- Bending radius (5 times cable diameter)
- Meter marked
- Chemical & oil resistance: excellent
- UV-resistant

INSTALLATION CONDITIONS

- Suitable for bricking
- On tray
- Can lay in tubes
- Open air
- Can be buried
- Withstands moisture
- For industial use

POWERFLEX RV-K

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
3301002	5704403010820	1x2,5	29	T./D.	6,2	54
3301004	5704403010837	1x4	40	T./D.	6,7	70
3301006	5704403010844	1x6	53	T./D.	7,3	90
3301010	5704403010851	1x10	74	T./D.	8,2	133
3301016	5704403010868	1x16	101	T./D.	9,2	189
3301025	5704403010875	1x25	135	T./D.	11,0	284
3301035	5704403010882	1x35	169	T./D.	12,1	381
3301050	5704403010899	1x50	207	T./D.	13,8	517
3301070	5704403010905	1x70	268	T./D.	15,9	712
3301095	5704403010912	1x95	328	T./D.	17,6	923
3301120	5704403010929	1x120	383	T./D.	19,2	1165
3301150	5704403010936	1x150	444	T./D.	21,5	1446
3301185	5704403010943	1x185	510	T./D.	23,9	1748
3301240	5704403010950	1x240	607	T./D.	26,9	2280
3301300	5704403010967	1x300	703	T./D.	29,6	2829
3301400	5704403010974	1x400	823	T./D.	33,8	3731
3301500	5704403010981	1x500	946	T./D.	37,4	4776
3301630	5704403011001	1x630	1088	T./D.	42,7	6276
3302001	5704403011018	2x1,5	26	T./D.	8,2	90
3302002	5704403011025	2x2,5	36	T./D.	9,2	120
3302004	5704403011032	2x4	49	T./D.	10,3	161
3302006	5704403011049	2x6	63	T./D.	11,3	211
3302010	5704403011056	2x10	86	T./D.	13,2	316
3302016	5704403011063	2x16	115	T./D.	14,9	450
3303001	5704403011070	3G1,5	26	T./D.	8,9	108
3303002	5704403011087	3G2,5	36	T./D.	9,8	144
3303004	5704403011094	3G4	49	T./D.	11,0	198
3303006	5704403011100	3G6	63	T./D.	12,1	263
3303010	5704403011117	3G10	86	T./D.	14,3	405
3303016	5704403011124	3x16	100	T./D.	16,4	593
3303016G	5704403011131	3G16	100	T./D.	16,4	593
3304001	5704403011209	4G1,5	23	T./D.	9,7	129
3304002	5704403011216	4G2,5	32	T./D.	10,7	175
3304004	5704403011223	4x4	42	T./D.	12,0	243
3304004G	5704403011230	4G4	42	T./D.	12,0	243
3304006	5704403011247	4x6	54	T./D.	13,4	328
3304006G	5704403011254	4G6	54	T./D.	13,4	328
3304010B	5704403033409	4x10	75	T./D.	15,7	505
3304010G	5704403011278	4G10	75	T./D.	15,7	505
3304016B	5704403033416	4x16	100	T./D.	18,2	749
3304016G	5704403011292	4G16	100	T./D.	18,2	749
3304025	5704403011308	4x25	127	T./D.	24,1	1245
3304025G	5704403011315	4G25	127	T./D.	24,1	1245
3304035	5704403011339	4x35	158	T./D.	26,3	1671
3304035G	5704403011346	4G35	158	T./D.	26,3	1671
3304050	5704403011360	4x50	192	T./D.	31,3	2313
3304050G	5704403011377	4G50	192	T./D.	31,3	2313
3304070	5704403011384	4x70	246	T./D.	36,1	3204
3304070G	5704403011391	4G70	246	T./D.	36,1	3204

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

POWERFLEX RV-K

ITEM NO.	EAN NO.	DIMENSION MM2	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
3304095	5704403011407	4x95	298	T./D.	40,2	4126
3304095G	5704403011414	4G95	298	T./D.	40,2	4126
3304120	5704403011438	4x120	346	T./D.	44,6	5245
3304120G	5704403011445	4G120	346	T./D.	44,6	5245
3304150	5704403011452	4x150	399	T./D.	49,8	6573
3304150G	5704403011469	4G150	399	T./D.	49,8	6573
3304185	5704403011476	4x185	456	T./D.	56,1	8050
3304185G	5704403027330	4G185	456	T./D.	56,1	8050
3304240G	5704403011490	4G240	538	T./D.	64,5	10695
3305001	5704403011506	5G1,5	23	T./D.	10,7	153
3305002	5704403011513	5G2,5	32	T./D.	11,9	213
3305004	5704403011520	5G4	42	T./D.	13,3	298
3305006B	5704403033423	5G6	54	T./D.	14,7	403
3305010B	5704403033430	5G10	75	T./D.	16,9	624
3305016B	5704403033447	5G16	100	T./D.	20,6	931
3305025	5704403011568	5G25	127	T./D.	25,6	1555
3305035	5704403011575	5G35	158	T./D.	29,1	2076
3305050	5704403011582	5G50	192	T./D.	34,5	2878
3305070	5704403011599	5G70	246	T./D.	39,2	4012
3305095	5704403011605	5G95	298	T./D.	46,8	5644

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

OFFSHORE RANGE

Based on : IEC 60092-353 / NEK TS 606

International norm : IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60092-353, NEK 606: 2044, RoHS, CE, Lloyd's Register, DNV, ABS

OFFSHORE

RFOU P1/P8

Offshore power 0,6/ 1kV

DESIGN

Conductor

Class 5 tinned copper, based on IEC 60228.

Insulation

Ethylene propylene rubber (EPR)

The standard identification is the following:

1 conductor ..... black
2 conductors ..... blue + brown
3 conductors ..... brown + black + grey
4 conductors ..... brown + black + grey + blue
5 or more conductors ..... white numbered

Outer sheath

Mud resistant thermosetting compound, black colour, low smoke and halogen free, type SHF MUD.

APPLICATIONS

RFOU P1/P8 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.

CHARACTERISTICS

- Maximum service temperature: 90°C
- LSZH
- Mechanical stress impact: AG3. High severity
- Fire non-propagation
- Low smoke emission: Light transmittance > 60%
- Water resistance: AD4 splashes
- Mud resistance NEK TS 606
- Low corrosive gases emission
- UV-resistant
- Chemical & oil resistance: excellent
- Outdoor installation: permanent
- Electromagnetically protection

INSTALLATION CONDITIONS

- Oil rigs
- On tray
- Marine use
- Open air

OFFSHORE RFOU P1/P8

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
67001035	5704403060979	1x35	157	T./D.	16,0	630
67001050		1x50	196	T./D.	17,6	840
67001070		1x70	242	T./D.	19,6	1070
67001095	5704403060962	1x95	293	T./D.	21,9	1300
67001120		1x120	339	T./D.	23,9	1700
67001150	5704403049424	1x150	389	T./D.	25,9	2020
67001185		1x185	444	T./D.	28,3	2350
67001240	5704403058785	1x240	522	T./D.	31,1	2920
67001300		1x300	601	T./D.	34,4	3750
67002001	5704403055005	2x1,5	20	T./D.	12,6	250
67002002	5704403051854	2x2,5	27	T./D.	14,0	330
67003001	5704403049462	3x1,5	16	T./D.	13,2	280
67003001G	5704403047871	3G1,5	16	T./D.	13,2	280
67003002	5704403047741	3x2,5	22	T./D.	14,7	380
67003002G	5704403052981	3G2,5	22	T./D.	14,7	380
67003004	5704403048649	3x4	28	T./D.	16,0	460
67003006	5704403049431	3x6	36	T./D.	17,2	550
67003010	5704403047734	3x10	50	T./D.	19,4	750
67003016	5704403052707	3x16	67	T./D.	21,7	1000
67003025		3x25	89	T./D.	25,9	1490
67003035	5704403047826	3x35	110	T./D.	28,5	1870
67003050	5704403058280	3x50	137	T./D.	31,8	1430
67003070	5704403049479	3x70	169	T./D.	37,0	3320
67003070G	5704403047819	3G70	169	T./D.	37,0	3320
67003095	5704403051885	3x95	205	T./D.	41,9	4340
67003120	5704403051311	3x120	237	T./D.	46,7	5490
67003150	5704403048793	3x150	273	T./D.	51,2	6630
67003185	5704403048694	3x185	311	T./D.	56,7	8080
67003240		3x240	366	T./D.	62,8	10130
67004001	5704403048656	4x1,5	16	T./D.	14,7	360
67004002	5704403053100	4x2,5	21	T./D.	15,8	440
67004002G	5704403052998	4G2,5	21	T./D.	15,8	440
67004016		4x16	67	T./D.	23,7	1230
65016001	5704403059089	16x1,5	8	T./D.	19,5	474
65019001	5704403041497	19x1,5	8	T./D.	20,2	529
67007001G	5704403055012	7G1,5	11	T./D.	16,9	490
67007002	5704403053124	7x2,5	16	T./D.	18,4	610
67010001		10x1,5	11	T./D.	20,0	680
67010002		10x2,5	16	T./D.	21,9	940
67012001		12x1,5	11	T./D.	21,4	780
67012002		12x2,5	16	T./D.	23,4	980
67014001		14x1,5	11	T./D.	22,4	930
67014002		14x2,5	16	T./D.	24,5	1090
67019001		19x1,5	11	T./D.	24,7	1050
67019002		19x2,5	16	T./D.	27,1	1420
67024001		24x1,5	11	T./D.	27,4	1310
67024002		24x2,5	16	T./D.	30,2	1830
67027001		27x1,5	10	T./D.	29,1	1570

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Based on : IEC 60092-376 / NEK TS 606

International norm : IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60092-353, NEK 606: 2044, RoHS, CE, Lloyd's Register, DNV, ABS

OFFSHORE

RFOU (c) S2/S6

Offshore instrumentation 250 V collectively screened

DESIGN

Conductor

Circular tinned stranded Cu, class 2.

Insulation

Ethylene propylene rubber (EPR).

Screen

Common screen: Pair/triple are laid up and collectively screened by copper backed polyester tape in contact with a stranded tinned copper drain wire. Pairs/triples are identified by printed numbers on insulated conductors.
Armour: Tinned annealed copper wire braid.

Filling sheath

Flame retardant and halogen free compound

Outer sheath

Mud resistant thermosetting compound, black colour, low smoke and halogen free, type SHF MUD.

APPLICATIONS

RFOU(C) S2/S6 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.

CHARACTERISTICS

- Maximum service temperature: 90°C
- LSZH
- Mechanical stress impact: AG3. High severity
- Fire non-propagation
- Low smoke emission: Light transmittance > 60%
- Water resistance: AD4 splashes
- Mud resistance NEK TS 606
- Low corrosive gases emission
- UV-resistant
- Chemical & oil resistance: excellent
- Outdoor installation: permanent
- Electromagnetically protection

INSTALLATION CONDITIONS

- Oil rigs
- On tray
- Marine use
- Open air

OFFSHORE RFOU (c) S2/S6

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
6730102075		1x2x0,75	13	T./D.	10,7	182
6730202075	5704403052165	2x2x0,75	11	T./D.	12,1	250
6730202075B	5704403055357	2x2x0,75	11	T./D.	12,1	250
6730402075	5704403051939	4x2x0,75	7	T./D.	17,0	464
6730702075		7x2x0,75	7	T./D.	19,8	658
6730802075	5704403051984	8x2x0,75	7	T./D.	22,6	773
6730902075		9x2x0,75	7	T./D.	23,5	833
6731002075		10x2x0,75	7	T./D.	23,5	876
6731202075		12x2x0,75	7	T./D.	25,2	1014
6731402075		14x2x0,75	6	T./D.	26,4	1124
6731602075	5704403051861	16x2x0,75	6	T./D.	27,8	1254
6731902075		19x2x0,75	6	T./D.	19,1	1413
6732402075		24x2x0,75	5	T./D.	33,5	1783
6730103075	5704403052820	1x3x0,75	11	T./D.	11,4	204
6730203075		2x3x0,75	8	T./D.	16,2	376
6730403075		4x3x0,75	7	T./D.	18,6	534
6730703075		7x3x0,75	7	T./D.	21,7	764
6730803075		8x3x0,75	7	T./D.	25,1	896
6730903075		9x3x0,75	7	T./D.	26,1	982
6731003075		10x3x0,75	7	T./D.	26,1	1035
6731203075		12x3x0,75	7	T./D.	28,1	1197
6731403075		14x3x0,75	5	T./D.	29,4	1331
6731603075		16x3x0,75	5	T./D.	31,0	1485
6731903075		19x3x0,75	5	T./D.	33,1	1730
6732403075		24x3x0,75	5	T./D.	37,8	2205
673010215	5704403053162	1x2x1,5	20	T./D.	11,8	228
673020215	5704403053155	2x2x1,5	16	T./D.	13,1	316
673020215B	5704403053193	2x2x1,5	16	T./D.	13,1	316
673040215	5704403053018	4x2x1,5	11	T./D.	18,8	594
673070215		7x2x1,5	11	T./D.	22,2	876
673080215	5704403053025	8x2x1,5	11	T./D.	25,5	1025
673080215B	5704403053131	8x2x1,5	11	T./D.	25,5	1025
673090215		9x2x1,5	11	T./D.	26,5	1112
673100215		10x2x1,5	11	T./D.	26,5	1178
673120215	5704403052936	12x2x1,5	11	T./D.	28,5	1365
673140215		14x2x1,5	10	T./D.	29,9	1528
673160215		16x2x1,5	10	T./D.	31,5	1709
673190215		19x2x1,5	10	T./D.	33,6	1986
673240215	5704403053179	24x2x1,5	8	T./D.	38,5	2555
673010315		1x3x1,5	16	T./D.	12,3	252
673020315		2x3x1,5	13	T./D.	18,1	479
673040315		4x3x1,5	11	T./D.	20,8	705
673070315		7x3x1,5	11	T./D.	24,4	1035
673080315		8x3x1,5	11	T./D.	28,4	1211
673090315		9x3x1,5	10	T./D.	29,5	1332
673100315		10x3x1,5	10	T./D.	29,5	1414
673120315		12x3x1,5	10	T./D.	31,8	1644
673140315		14x3x1,5	8	T./D.	34,0	1895

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Based on : IEC 60092-376 / NEK TS 606

International norm : IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60092-353, NEK 606: 2044, RoHS, CE, Lloyd's Register, DNV, ABS

OFFSHORE

RFOU (i) S1/S5

Offshore instrumentation 250 V individually screened

DESIGN

Conductor
Circular tinned stranded Cu, class 2

Insulation
Ethylene propylene rubber (EPR)

Color coded cores twisted together to form a pair/triad

Screen
Every pair/triple is screened with copper backed polyester tape in contact with a stranded tinned copper drain wire, wrapped with polyester tape. Pairs/triples are identified by printed numbers on insulated conductors.

Armour
Tinned annealed copper wire braid

Outer sheath

Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, grey (if intrinsically safe blue)

APPLICATIONS

RFOU(I) S1/S5 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems where requirement for fire resistance exists. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.

CHARACTERISTICS

- Maximum service temperature: 90°C
- LSZH
- Mechanical stress impact: AG3. High severity
- Fire non-propagation
- Low smoke emission: Light transmittance > 60%
- Water resistance: AD4 splashes
- Mud resistance NEK TS 606
- Low corrosive gases emission
- UV-resistant
- Chemical & oil resistance: excellent
- Outdoor installation: permanent
- Electromagnetically protection

INSTALLATION CONDITIONS

- Oil rigs
- On tray
- Marine use
- Open air

OFFSHORE RFOU (i) S1/S5

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
6710102075	5704403051878	1x2x0,75	13	T./D.	10,7	187
6710102075B	5704403051960	1x2x0,75	13	T./D.	10,7	187
6710202075	5704403053148	2x2x0,75	11	T./D.	16,0	373
6710202075B	5704403058556	2x2x0,75	11	T./D.	16,0	373
6710402075	5704403051977	4x2x0,75	7	T./D.	18,4	540
6710702075		7x2x0,75	7	T./D.	21,5	784
6710802075	5704403052714	8x2x0,75	7	T./D.	25,0	933
6710902075		9x2x0,75	7	T./D.	26,0	1012
6711002075		10x2x0,75	7	T./D.	26,0	1070
6711202075	5704403055951	12x2x0,75	7	T./D.	28,0	1241
6711402075		14x2x0,75	6	T./D.	29,4	1386
6711602075	5704403052721	16x2x0,75	6	T./D.	31,0	1550
6711902075		19x2x0,75	6	T./D.	33,1	1811
6712402075	5704403055975	24x2x0,75	5	T./D.	37,8	2314
671010375		1x3x0,75	11	T./D.	11,3	209
671020375		2x3x0,75	8	T./D.	17,6	430
671040375		4x3x0,75	7	T./D.	20,3	628
671070375		7x3x0,75	7	T./D.	23,8	917
671080375		8x3x0,75	7	T./D.	27,7	1090
671090375		9x3x0,75	7	T./D.	28,8	1183
671100375		10x3x0,75	7	T./D.	28,8	1252
671120375		12x3x0,75	7	T./D.	31,1	1453
671140375		14x3x0,75	5	T./D.	33,2	1678
671160375		16x3x0,75	5	T./D.	34,8	1856
671190375		19x3x0,75	5	T./D.	37,1	2216
671240375		24x3x0,75	5	T./D.	42,2	2734
671010215	5704403052929	1x2x1,5	20	T./D.	11,8	233
671010215B		1x2x1,5	20	T./D.	11,8	233
671020215	5704403052967	2x2x1,5	16	T./D.	17,8	466
671020215B	5704403052974	2x2x1,5	16	T./D.	17,8	466
671040215		4x2x1,5	11	T./D.	20,5	693
671070215		7x2x1,5	11	T./D.	24,1	1028
671080215		8x2x1,5	11	T./D.	28,1	1219
671090215		9x2x1,5	11	T./D.	29,2	1327
671100215		10x2x1,5	11	T./D.	29,2	1410
671120215	5704403047864	12x2x1,5	11	T./D.	31,6	1644
671140215		14x2x1,5	10	T./D.	33,7	1900
671160215	5704403052943	16x2x1,5	10	T./D.	35,5	2126
671160215B	5704403052950	16x2x1,5	10	T./D.	35,5	2126
671190215		19x2x1,5	10	T./D.	37,7	2517
671240215		24x2x1,5	8	T./D.	42,8	3109
671010315		1x3x1,5	16	T./D.	12,3	258
671010315B		1x3x1,5	16	T./D.	12,3	258
671020315		2x3x1,5	13	T./D.	19,7	543
671040315		4x3x1,5	11	T./D.	22,7	819
671070315		7x3x1,5	11	T./D.	26,7	1222
671080315		8x3x1,5	11	T./D.	31,2	1447
671090315		9x3x1,5	10	T./D.	33,1	1629

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Based on : IEC 60092-353 / NEK TS 606

International norm : IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60092-353, NEK 606: 2044, RoHS, CE, Lloyd's Register, DNV, ABS

OFFSHORE

BFOU P5/P12

Fire resistant offshore power 0,6/1kV

DESIGN

Conductor
Circular tinned stranded Cu, class 2.

Insulation
Fire resistant Mica tape helically applied over the conductors
Ethylene propylene rubber (EPR).

The standard identification is the following:
1 conductor .....black
2 conductors ..... blue + brown
3 conductors ..... brown + black + grey
4 conductors ..... brown + black + grey + blue
5 or more conductors ..... blue, brown, black, grey, black.

Filling sheath
Flame retardant and halogen free compound

Screen
Armour: Tinned annealed copper wire braid

Outer sheath
Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, black.

APPLICATIONS

BFOU P5/P12 is used for permanent installation in the control circuits and lights and emergency lighting and critical offshore units where there are demands for fire safety. For installation in the areas where there is a risk of exposure to the mud, cuttings or cleaning fluids. The cable is fire resistant according to IEC 60331-21 and shielded against electromagnetic interference.

CHARACTERISTICS

- Maximum service temperature: 90°C
- LSZH
- Mechanical stress impact: AG3. High severity
- Operation secured acc. to IEC 60331
- Fire non-propagation
- Low smoke emission: Light transmittance > 60%
- Water resistance: AD4 splashes
- Mud resistance NEK TS 606
- Low corrosive gases emission
- UV-resistant
- Chemical & oil resistance: excellent
- Outdoor installation: permanent
- Electromagnetically protection

INSTALLATION CONDITIONS

- Oil rigs
- On tray
- Marine use
- Open air

OFFSHORE BFOU P5/P12

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
68001050		1x50	196	T./D.	18,1	860
68001070		1x70	242	T./D.	20,1	1110
68001095	5704403050451	1x95	293	T./D.	22,4	1420
68001120	5704403051953	1x120	339	T./D.	24,4	1710
68001150		1x150	389	T./D.	26,5	2050
68001185	5704403056200	1x185	444	T./D.	28,8	2480
68001240		1x240	522	T./D.	31,6	3160
68001300	5704403053681	1x300	601	T./D.	35,0	3850
68002001	5704403049769	2x1,5	20	T./D.	14,2	320
68002002	5704403048311	2x2,5	27	T./D.	15,2	380
68002004	5704403052851	2x4	34	T./D.	16,4	450
68003001	5704403048496	3x1,5	16	T./D.	14,9	360
68003001G	5704403048762	3G1,5	16	T./D.	14,9	360
68003002	5704403047758	3x2,5	22	T./D.	16,0	430
68003002G	5704403048526	3G2,5	22	T./D.	16,0	430
68003004	5704403047802	3x4	28	T./D.	17,3	520
68003004G	5704403056057	3G4	28	T./D.	17,3	520
68003006	5704403047765	3x6	36	T./D.	18,4	620
68003010	5704403047727	3x10	50	T./D.	20,7	820
68003016	5704403047710	3x16	67	T./D.	23,0	1070
68003025	5704403047840	3x25	89	T./D.	27,2	1850
68003035	5704403048021	3x35	110	T./D.	29,8	1960
68003050	5704403048519	3x50	137	T./D.	33,1	2580
68003070	5704403047888	3x70	169	T./D.	38,3	3450
68003095		3x95	205	T./D.	43,2	4480
68003120		3x120	237	T./D.	48,0	5650
68003150		3x150	273	T./D.	52,4	6800
68003185		3x185	311	T./D.	57,5	8400
68003240		3x240	366	T./D.	64,0	10810
68004001	5704403048502	4x1,5	16	T./D.	16,1	430
68004001G	5704403048755	4G1,5	16	T./D.	16,1	430
68004002	5704403059355	4x2,5	21	T./D.	17,3	510
68004002G	5704403048748	4G2,5	21	T./D.	17,3	510
68004004G	5704403057900	4G4	28	T./D.	18,7	620
68004006	5704403050529	4x6	36	T./D.	20,0	740
68007001	5704403049752	7x1,5	11	T./D.	18,7	580
68007002	5704403048113	7x2,5	16	T./D.	20,2	700
68010001		10x1,5	11	T./D.	22,3	880
68010002		10x2,5	16	T./D.	24,2	1060
68012001	5704403058082	12x1,5	11	T./D.	24,0	930
68012002		12x2,5	16	T./D.	26,0	1150
68014001		14x1,5	11	T./D.	25,1	1040
68014002		14x2,5	16	T./D.	27,2	1270

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Based on : IEC 60092-376 / NEK TS 606

International norm : IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60331-21, IEC 60092-376, NEK 606: 2044, RoHS, CE, Lloyd's Register, DNV, ABS

OFFSHORE

BFOU (c) S4/S8

Fire resistant offshore instrumentation 250 V collectively screened

DESIGN

Conductor
Circular tinned stranded Cu, class 2.

Insulation
Fire resistant Mica tape helically applied over the conductors
Ethylene propylene rubber (EPR)

Screen
Collective screen: Pairs/triples are laid-up and collectively screened by copper backed polyester tape in contact with a stranded tinned copper drain wire. Pairs-7triples are identified by printed numbers on insulated conductors.

Armour
Tinned annealed copper wire braid

Filling sheath
Flame retardant and halogen free compound

Outer sheath
Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, grey (if intrinsically safe the color is blue).

APPLICATIONS

BFOU(C) S4/S8 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems where requirement for fire resistance exists. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.

CHARACTERISTICS

- Maximum service temperature: 90°C
- LSZH
- Mechanical stress impact: AG3. High severity
- Operation secured acc. to IEC 60331
- Fire non-propagation
- Low smoke emission: Light transmittance > 60%
- Water resistance: AD4 splashes
- Mud resistance NEK TS 606
- Low corrosive gases emission
- UV-resistant
- Chemical & oil resistance: excellent
- Outdoor installation: permanent
- Electromagnetically protection

INSTALLATION CONDITIONS

- Oil rigs
- On tray
- Marine use
- Open air

OFFSHORE BFOU (c) S4/S8

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
6830102075		1x2x0,75	13	T./D.	11,8	217
6830202075	5704403050482	2x2x0,75	11	T./D.	13,1	295
6830202075B	5704403057887	2x2x0,75	11	T./D.	13,1	295
6830402075	5704403053599	4x2x0,75	7	T./D.	18,7	556
6830402075B	5704403057894	4x2x0,75	7	T./D.	18,7	556
6830702075		7x2x0,75	7	T./D.	22,1	805
6830802075	5704403052745	8x2x0,75	7	T./D.	25,4	944
6830902075		9x2x0,75	7	T./D.	26,4	1020
6831002075		10x2x0,75	7	T./D.	26,4	1074
6831202075	5704403051991	12x2x0,75	7	T./D.	28,5	1242
6831402075		14x2x0,75	6	T./D.	29,8	1383
6831602075	5704403053834	16x2x0,75	6	T./D.	31,4	1541
6831902075		19x2x0,75	6	T./D.	33,5	1794
6832402075		24x2x0,75	5	T./D.	38,4	2307
6830103075		1x3x0,75	11	T./D.	12,3	235
6830203075		2x3x0,75	8	T./D.	18,1	451
6830403075	5704403050475	4x3x0,75	7	T./D.	20,8	645
6830703075		7x3x0,75	7	T./D.	24,4	927
6830803075		8x3x0,75	7	T./D.	28,3	1103
6830903075		9x3x0,75	7	T./D.	29,4	1194
6831003075		10x3x0,75	7	T./D.	29,4	1258
6831203075	5704403050499	12x3x0,75	7	T./D.	31,8	1453
6831403075		14x3x0,75	5	T./D.	33,9	1673
6831603075		16x3x0,75	5	T./D.	35,7	1863
6831903075		19x3x0,75	5	T./D.	37,9	2199
6832403075		24x3x0,75	5	T./D.	43,0	2701
683010215	5704403059096	1x2x1,5	20	T./D.	12,7	260
683020215	5704403053490	2x2x1,5	16	T./D.	14,8	406
683020215B	5704403053186	2x2x1,5	16	T./D.	14,8	406
683040215	5704403053841	4x2x1,5	11	T./D.	20,7	702
683070215		7x2x1,5	11	T./D.	24,3	1025
683080215		8x2x1,5	11	T./D.	28,3	1215
683090215		9x2x1,5	11	T./D.	29,4	1318
683100215		10x2x1,5	11	T./D.	29,4	1396
683120215		12x2x1,5	11	T./D.	31,7	1620
683140215		14x2x1,5	10	T./D.	33,8	1868
683160215		16x2x1,5	10	T./D.	35,7	2086

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Based on : IEC 60092-376 / NEK TS 606

International norm : IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60331-21, IEC 60092-376, NEK 606: 2044, RoHS, CE, Lloyd's Register, DNV, ABS

OFFSHORE

BFOU (i) S3/S7

Fire resistant offshore instrumentation 250 V individually screened

DESIGN

Conductor
Circular tinned stranded Cu, class 2

Insulation
Fire resistant Mica tape helically applied over the conductors
Ethylene propylene rubber (EPR).
Color coded cores twisted together to form a pair/triad.

Screen

Every pair/triple is screened with copper backed polyester tape in contact with a stranded tinned copper drain wire, wrapped with polyester tape. Pairs/triples are identified by printed numbers on insulated conductors.

Armour: Tinned annealed copper wire braid.

Filling sheath
Flame retardant and halogen free compound.

Outer sheath
Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, grey (if intrinsically safe blue)

APPLICATIONS

BFOU(I) S3/S7 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems where requirement for fire resistance exists. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.

CHARACTERISTICS

- Maximum service temperature: 90°C
- LSZH
- Mechanical stress impact: AG3. High severity
- Operation secured acc. to IEC 60331
- Fire non-propagation
- Low smoke emission: Light transmittance > 60%
- Water resistance: AD4 splashes
- Mud resistance NEK TS 606
- Low corrosive gases emission
- UV-resistant
- Chemical & oil resistance: excellent
- Outdoor installation: permanent
- Electromagnetically protection

INSTALLATION CONDITIONS

- Oil rigs
- On tray
- Marine use
- Open air

OFFSHORE BFOU (i) S3/S7

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
6810102075	5704403049820	1x2x0,75	13	T./D.	11,8	220
6810102075B	5704403048779	1x2x0,75	13	T./D.	11,8	220
6810202075	5704403053605	2x2x0,75	11	T./D.	17,7	434
6810202075B	5704403058716	2x2x0,75	11	T./D.	17,7	434
6810402075	5704403048786	4x2x0,75	7	T./D.	20,4	636
6810702075		7x2x0,75	7	T./D.	24,0	929
6810802075	5704403053612	8x2x0,75	7	T./D.	28,0	1105
6810902075		9x2x0,75	7	T./D.	29,1	1199
6811002075		10x2x0,75	7	T./D.	29,1	1270
6811202075		12x2x0,75	7	T./D.	31,4	1475
6811402075		14x2x0,75	6	T./D.	33,4	1706
6811602075	5704403052660	16x2x0,75	6	T./D.	35,2	1886
6811902075		19x2x0,75	6	T./D.	37,5	2256
6812402075		24x2x0,75	5	T./D.	42,6	2780
681010375	5704403050444	1x3x0,75	11	T./D.	12,3	240
681020375		2x3x0,75	8	T./D.	19,5	501
681040375		4x3x0,75	7	T./D.	22,5	737
681010215	5704403048090	1x2x1,5	20	T./D.	12,7	262
681010215B	5704403047833	1x2x1,5	20	T./D.	12,7	262
681020215	5704403049448	2x2x1,5	16	T./D.	19,5	531
681020215B	5704403048342	2x2x1,5	16	T./D.	19,5	531
681040215	5704403047796	4x2x1,5	11	T./D.	22,5	797
681070215		7x2x1,5	11	T./D.	26,6	1188
681080215	5704403047789	8x2x1,5	11	T./D.	31,0	1407
681090215		9x2x1,5	11	T./D.	32,9	1586
681100215		10x2x1,5	11	T./D.	32,9	1684
681120215	5704403048335	12x2x1,5	11	T./D.	35,5	1957
681140215		14x2x1,5	10	T./D.	37,6	2294
681160215		16x2x1,5	10	T./D.	39,7	2559
681190215		19x2x1,5	10	T./D.	41,9	2933
681240215	5704403048328	24x2x1,5	8	T./D.	48,1	3677
681140315		14x3x1,5	8	T./D.	42,1	2730
681160315		16x3x1,5	8	T./D.	44,8	3099
681190315		19x3x1,5	8	T./D.	47,3	3547
681240315		24x3x1,5	8	T./D.	53,7	4382

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

ES05Z1-K / H07Z1-K

ITEM NO.	EAN NO.	DIMENSION MM2	CURRENT VALUE A	COLOUR	WINDING	DIAMETER MM *	WEIGHT KG/KM *
534500002	5704403016259	50	151	Black	T./D.	11,8	482
534500004	5704403029976	50	151	Green/Yellow	T./D.	11,8	482
534500008	5704403061785	50	151	Brown	T./D.	11,8	482
534700002	5704403043323	70	192	Black	T./D.	13,9	674
534700004	5704403023257	70	192	Green/Yellow	T./D.	13,9	674
534950002	5704403037957	95	232	Black	T./D.	15,6	873
534950004	5704403025084	95	232	Green/Yellow	T./D.	15,6	873
534951202	5704403052806	120	269	Black	T./D.	17,0	1096
534951502	5704403051724	150	309	Black	T./D.	18,9	1375

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Based on : IEC 60502 - UNE 21123-2

International norm : HAR, GOST, CE, RoHS

XTREM

H07RN-F

Power and flexibility to the limit.

DESIGN

Conductor
Cu-threads, class 5, >150 mm2 class 6

Insulation

Thermosetting rubber (type EI4).

The standard identification is the following:

1 x	white
2 x	Brown + Blue
3 G	Brown + Blue + Yellow/green
4 G	Brown + Black + Grey + Yellow/green
5 G	Brown + Black + Grey + Blue + Yellow/green
6 G or more	Black numbered + Yellow/Green

Outer sheath

Thermosetting rubber (type EM2). Black colour.

APPLICATIONS

Scankab Cables' H07RN-F cables are designed to supply power to low voltage appliances including electric motors and submersible pumps in deep water installations as well as many other types of electrical equipment. Thanks to its extraordinary flexibility and mechanical strength, the Xtrem H07RN-F cable is ideal for power transmission in both fixed instalation or mobile service. The cable has been manufactured using compounds which have much better behaviour than the ones specified in the standards. This fact makes the Xtrem H07RN-F cable a multipurpose one. Nominal voltage up to 1000 V possible thanks to the high dielectric properties of the insulation material (according to HD 516).

CHARACTERISTICS

- Maximum service temperature: 90°C
- Flae retardant acc. to IEC 60332-1
- Mechanical stress impact: AG3. High severity
- Torsion resistant
- Max. short circuit. temp. +250°C
- High flexibility
- Water resistance: AD4 splashes
- Withstands freezing
- Bending radius (4 times cable diameter)
- Meter marked
- Oil and grease resistant
- Chemical & oil resistance: excellent
- UV-resistant
- Abrasion resistant

INSTALLATION CONDITIONS

- Suitable for deep water wells
- Suitable for underwater pumps
- For use in wind turbines
- Open air
- Can be immersed into water
- Crane cable
- For industial use
- For robot technology

XTREM H07RN-F

ITEM NO.	EAN NO.	DIMENSION MM²	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
4120040001	5704403037056	1x4	30 / 40	T./D.	7,5	88
4120060001	5704403013777	1x6	38 / 53	T./D.	8,3	116
4120100001	5704403037063	1x10	53 / 74	T./D.	10,1	182
4120160001	5704403027729	1x16	71 / 101	T./D.	11,4	250
4120250001	5704403013838	1x25	94 / 135	T./D.	13,4	361
4120350001	5704403013845	1x35	117 / 169	T./D.	14,7	469
4120500001	5704403013852	1x50	148 / 207	T./D.	17,5	671
4120700001	5704403013869	1x70	185 / 268	T./D.	19,6	892
4120950001	5704403013876	1x95	222 / 328	T./D.	22,0	1140
4121200001	5704403013890	1x120	260 / 383	T./D.	24,2	1420
4121500001	5704403013937	1x150	300 / 444	T./D.	26,6	1760
4121850001	5704403013951	1x185	341 / 510	T./D.	28,8	2090
4122400001	5704403013982	1x240	407 / 607	T./D.	32,2	2710
4123000001	5704403013999	1x300	468 / 703	T./D.	34,9	3310
4120001002	5704403013418	2x1	10 / 21	R-100	8,3	92
4120001002x	5704403024889	2x1	10 / 21	T./D.	8,3	92
4120015002	5704403013500	2x1,5	16 / 26	R-100	8,7	109
4120015002x	5704403013517	2x1,5	16 / 26	T./D.	8,7	109
4120025002	5704403013647	2x2,5	25 / 36	R-100	10,6	162
4120040002	5704403037087	2x4	34 / 49	T./D.	12,0	220
4120060002	5704403035182	2x6	43 / 63	T./D.	13,7	295
4120001003	5704403013425	3G1	10 / 21	R-100	8,9	111
4120001003X	5704403013432	3G1	10 / 21	T./D.	8,9	111
4120015003	5704403013524	3G1,5	16 / 26	R-100	9,7	137
4120015003X	5704403013531	3G1,5	16 / 26	T./D.	9,7	137
4120025003	5704403013654	3G2,5	25 / 36	R-100	11,4	198
4120025003X	5704403013678	3G2,5	25 / 36	T./D.	11,4	198
4120030004	5704403013746	3G4	35 / 49	T./D.	13,1	276
4120060003	5704403013784	3G6	44 / 63	T./D.	14,8	370
4120100003	5704403041725	3G10	62 / 86	T./D.	20,1	668
4120001004	5704403013449	4G1	10 / 17	R-100	9,7	134
4120015004	5704403013548	4G1,5	16 / 23	R-100	10,7	169
4120015004X	5704403013562	4G1,5	16 / 23	T./D.	10,7	169
4120025004	5704403013685	4G2,5	20 / 32	R-100	12,6	244
4120025004X	5704403013692	4G2,5	20 / 32	T./D.	12,6	244
4120040004	5704403013753	4G4	30 / 42	T./D.	14,4	343
4120060004	5704403013791	4G6	37 / 54	T./D.	16,7	474
4120100004	5704403013487	4G10	52 / 75	T./D.	21,6	822
4120160004	5704403013623	4G16	69 / 100	T./D.	24,6	1120
4120250004	5704403014668	4G25	92 / 127	T./D.	30,7	1730
4120350004	5704403014699	4G35	114 / 158	T./D.	33,2	2180
4120500004	5704403014712	4G50	143 / 192	T./D.	39,2	3060
4120700004	5704403014736	4G70	178 / 246	T./D.	43,4	4040
4120950004	5704403014743	4G95	210 / 298	T./D.	50,5	5300
4121200004	5704403014750	4G120	246 / 346	T./D.	52,6	6331
4121500004	5704403038640	4G150	282 / 399	T./D.	60,1	7928
4122400004	5704403045532	4G240		T./D.		
4120001005	5704403013456	5G1	10 / 17	T./D.	10,5	162
4120015005	5704403013579	5G1,5	16 / 23	R-100	11,6	206

For further technical data please request this cable's technical datasheet.

XTREM H07RN-F

ITEM NO.	EAN NO.	DIMENSION MM2	CURRENT VALUE A	WINDING	DIAMETER MM *	WEIGHT KG/KM *
4120015005X	5704403013593	5G1,5	16 / 23	T./D.	11,6	206
4120025005	5704403013708	5G2,5	20 / 32	R-100	14,0	299
4120025005X	5704403013722	5G2,5	20 / 32	T./D.	14,0	299
4120040005	5704403013760	5G4	30 / 42	T./D.	16,3	431
4120060005	5704403013814	5G6	38 / 54	R-100	18,4	585
4120060005X	5704403013807	5G6	38 / 54	T./D.	18,4	585
4120100005	5704403013494	5G10	54 / 75	T./D.	24,2	1010
4120160005	5704403013630	5G16	71 / 100	T./D.	27,1	1380
4120250005	5704403014675	5G25	94 / 127	T./D.	33,3	2052
4120350005	5704403014705	5G35	114 / 158	T./D.	36,6	2677
4120500005	5704403014729	5G50	143 / 192	T./D.	42,7	3696
4120700005	5704403045044	5G70	178 / 246	T./D.	48,3	4917
4120950005	5704403041336	5G95	210 / 298	T./D.	55,3	6448
4120015007	5704403014644	7G1,5	16 / 26	T./D.	14,8	307
4120025007	5704403014651	7G2,5	25 / 36	T./D.	17,0	434
4120015012	5704403013609	12G1,5	16 / 26	T./D.	17,5	456
4120025012	5704403013739	12G2,5	25 / 36	T./D.	20,4	654
4120015018	5704403045082	18G1,5	16 / 26	T./D.	20,5	646
4120015019	5704403045099	19G1,5	16 / 26	T./D.		
4120025019	5704403039913	19G2,5	25 / 36	T./D,	24,5	
4120015024	5704403044320	24G1,5	16 / 26	T./D.	23,7	830

* The values can have small deviations

For further technical data please request this cable's technical datasheet.

Scankab Cables reserves the right to carry out any modification whatsoever without giving previous notice.

Min. working temperature -40°

Min. working temperature -25°

Min. working temperature -20°

Min. working temperature -15°

Min. working temperature -5°

Min. working temperature 0°

Min. working temperature +5°

Max. working temperature +40°

Max. working temperature +60°

Max. working temperature +70°

Max. working temperature +80°

Max. working temperature +85°

Max. working temperature +90°

Max. working temperature +100°

Max. working temperature +120°

Max. short circuit temp. +150°

Max. short circuit temp. +160°

Max. short circuit temp. +250°

Max. working temperature HD/BS & UL/CSA


Operation secured acc. to IEC 60331


Flame retardant acc. to IEC 60332-1


Fire retardant acc. to IEC 60332-3

UV-resistant

UV-stabilized


Lift and elevator cable


Suitable for cable chains


Crane cable


For robot technology


Low voltage cable

Medium voltage cable

Photovoltaic


For use in switchboards


Electromagnetically protected


Halogen free


Suited for public places


Low smoke emission during fire acc. to 61034


Low emission of corrosive gases acc. to IEC 60754


Environmentally friendly

For emergency circuits

Meter marked


Suited for wall attachment


For use in cable trays


Suitable for deep water wells


Suitable for underwater pumps


Low friction outer sheath


Rodent protected


Can be immersed into water


Water resistant


Withstands moisture


Withstands freezing


Resistant towards oil and chemicals

Oil and grease resistant


Oil resistant


For petrol stations, oil deposits and refineries


For use in homes


For industrial use


For industrial mobile use


For use on ships


For use in wind turbines


Can be buried


For permanent outdoor installation


Outdoor decommissioning


Can lay in tubes


Torsion resistant


Abrasion resistant


High flexibility


Impact resistance svag/medium/stark


Welding Cable


Bending radius (x times cable diameter)


Suitable for bricking

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