



史密斯海事工程有限公司  
SMITH MARINE & OFFSHORE TECHNOLOGY CO., LTD.



> 2014  
www.smithmarine.hk



史密斯海事工程有限公司  
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## About Us

Smith Marine is a leading independent shipbroker, technical services, equipment and project management agency for the marine and offshore industry located in Yantai, China, at the heart of oil and gas construction.

Established in 2003 we have offices across China in all the main centers of production staffed by a team of highly experienced industry professionals, with representatives in the UK and Europe.

Our aim is to provide the most efficient brokering, project management, and technical support service within the Asian marine, offshore, oil and gas market. We believe the best way to achieve this is through the forging of long term strategic alliances with manufacturers and customers based on professionalism, competence and client satisfaction.

Our multi-national team offers a broad service to our growing client list with expertise in Jack Up drilling platforms, drilling ships, OSV, semi-submersible drilling platforms, transport vessels, crane vessels, Pipe/Cable Lay Vessels and others.

Smith Marine has excellent contacts with Chinese offshore fabrication facilities and can provide some of the best engineering support in the sector.

At Smith Marine we are committed to the highest standards in business ethics, the protection of intellectual property rights and consider openness and professional integrity an essential part of our company mission.

Smith Marine, a bridge to success!

## 公司简介

史密斯海事工程有限公司是国内领先的集海工船舶代理、技术服务、项目管理、设备代理于一体的致力于船舶与海洋工程行业的专业化公司。公司位于走在中国海工领域前端的山东省烟台市。

公司成立于2003年，在中国主要的船舶与海洋工程所在地均设有办事处，公司团队具有经验丰富的海工作经历；作为一家国际化的公司，我们在英国和欧洲设有代表处。

我们的目标是为亚洲的船舶、海工、油&气市场提供最高效的船舶代理，项目管理和技术支持服务。为实现这一目标，我们用敬业的态度、专业的技能与客户满意度，与设备制造商和客户建立长期的战略联盟。

我们国际化的团队可以为客户在自升式钻井平台、钻井船、平台供应船、半潜钻井平台、半潜运输船、起重铺管/铺缆船等项目上提供可靠、专业的服务。

在中国主要海工建造基地我们有广泛的客户资源，并可以为其提供优质的技术支持。

恪守商业准则，保护知识产权，开放性思维以及对专业技能的不探究是我们不变的经营理念。

史密斯海事，通往成功的桥梁！



SMITH MARINE, A BRIDGE TO SUCCESS!  
史密斯海事，通往成功的桥梁！

No	Agent equipment/代理设备	Brand/品牌	Origin/产地
1	A-H class fire rated weather tight window/door, Pneumatic sliding door, Hydraulic watertight sliding door. A-H级防火风雨密门、窗，气动滑动门，液压水密门	Norac Baggerød	Norway
2	Air winch 气动绞车	EMCE	Netherland
3	Mooring wire rope 钢丝绳	BRIDON	UK
4	Valve remote control system 阀门遥控系统	GHIBSON	Italy
5	Marine & Offshore Pumps 船舶 & 海工用泵	GARBARINO	Italy
6	Air compressor 空压机	Ingersoll Rand	US
7	Boiler system 锅炉系统	PARAT	Norway
8	Coaxial, Profibus, Ethernet, Fiber optical cable, etc. 船用特种电缆：同轴,现场总线,以太网线,光缆等	TELDOR	Israel





# A Worldwide Leading supplier for Marine & Offshore

## Norac Baggerød Introduction:

Norac Baggerød, A branch of NORAC group, is a leading supplier for offshore doors & windows. Headquartered in Horten, Norway, NORAC products are manufactured with only first-class materials in compliance with the most exacting rules and regulations and NORAC's own strict quality control measures. References from CIMC-Raffles, COSCO for various Semi-submersible rigs and LQ.

### Fire Doors

#### A-rated Door type HB-H A60 / HB-HH A60:

Internal medium duty A-60 hinged fire door. Doorleaf and frame in mild steel primed and painted. Frame for welding or bolting to bulkhead with bolts and gasket. Gasket in frame for gastight.

#### A-rated Heavy Duty External Door type HB-5000 / HB5000DD:

External heavy duty weathertight A-60 hinged door. Doorleaf and frame in stainless steel AISI 316L with stainless steel finish or painted. Frame for welding or bolting to bulkhead with bolts and gasket. Double gasket in frame and doorleaf for weathertight.

#### A-rated Pneumatic Operated Sliding Door type HB-SWP:

External heavy duty A-60 pneumatic operated offshore sliding door. Doorleaf and frame in stainless steel AISI 316L with stainless steel finish or painted. Frame for welding or bolting to bulkhead with bolts and gasket. Gasket in frame for weathertight.

DESCRIPTION	HB-H (single)	HB-HH (double)	HB-5000	HB-SWP
Fire Class	A-0/A-30/A-60	A-0/A-30/A-60	A-60	A-60
Doorleaf	1.5 mm mild steel or stainless steel.	1.5 mm mild steel or stainless steel.	2 mm (alt. 3 mm) painted steel or stainless steel	1.5–3 mm painted mild Steel or Stainless Steel surface
Frame	3 mm painted mild steel	3 mm painted mild steel	"3 mm (alt. 4 or 5 mm) L-shaped painted steel or stainless steel"	3 mm painted mild steel or Stainless Steel
Thickness of doorleaf	63 mm	63 mm	64 mm	79 mm
Hinges	"3ea special design with grease nipples "	"3ea special design with grease nipples "	3ea special design stainl. steel with grease nipples	
Weight (800x2000 mm)	75 kg	Weight depends on size	120 kg	280 kg
Core material	A-60 ceramic fibre	A-60 ceramic fibre	ceramic fibre	Ceramic fibre
Sound reduction	40 dB (with gasket)	40 dB (with gasket)	44 dB	37 dB
Air and gas tightness	0.2 m <sup>3</sup> /hm <sup>2</sup> at 50 Pa	0.2 m <sup>3</sup> /hm <sup>2</sup> at 50 Pa	0.4 m <sup>3</sup> /hm <sup>2</sup> at 50 Pa	0.1 m <sup>3</sup> /hm <sup>2</sup> at 50 PA
Application	Internal/external	Internal/external	Internal/External A-doors	Internal/External



Roller blind is option.

### Windows & Glazed Partitions,

A wide range of A-0/A-60/H-60/H-120, Sound reduction Rw48-62dB offshore fire rated windows are greatly used on different Marine & Offshore projects all throughout the world.

# Every winch a winner



## EMCE Introduction:

Founded on over 75 years of manufacturing excellence, EMCÉ has grown to become one of the world's most respected producers of high performance winches, capstans and hoisting equipment, together with services ranging from professional advice and design through the procurement, engineering, testing, delivery and installation phases of projects, as well as in the inspection, repair and maintenance of our products. In effect, we provide complete systems and total solutions.

## Offshore Air Winches OAW series:

A range of compact lifting and pulling air winches specially designed for offshore applications or for any other hazardous environment where space is limited. The heavy duty planetary gearbox is mounted within the drum core, which both saves space and protects from any external damage. These standard winches can be fitted with several options and accessories.

Winch type	WLL 1st layer kg	WLL 5th layer kg	Recomm. Rope diam. mm	Average speed* m/min.	Maximum speed** m/min.	Drumcap. 5th layer m	Pressure drop in bar	Flow in l/sec.
OAW 2.0 LV	2655	2000	13	14	17	167	6.5	150
OAW 5.0 GP10	6800	5000	19	10	19	212	7	300
OAW 7.0 GP16	9885	7000	22	10	22	209	7	350
OAW 10.5 GP16	14890	10500	28	7	16	244	7	350

\* Average speed is based on the speed in the middle layer at 75% of WLL

\*\* Maximum speed is based on the speed in the top layer at unloaded conditions

## Manriding Air Winches MR 30FL series:

The MR 30 FL winches have been specially designed for personnel lifting applications in which a safety harness or a boatswain's chair is used on fixed installations with a total WLL of 150kg.

Winch type	WLL 1st layer kg	WLL top layer kg	Recomm. Rope diam. mm	Speed top layer m/min.	Drumcap. top layer m	Pressure drop in bar	Flow in l/sec.	Flow in l/min.
MR30FLG	200	150 (5)	10	37	165	6	50	

## Planetary Air Winches FD series:

Specially designed for applications where space is at a premium, these compact and lightweight lifting winches are ideally suited for installation on cranes, davits and derricks. The single drum support enables the rope to leave the drum at any angle. The heavy duty planetary drive is partly located within and protected by the drum core. The large drum diameters ensure a healthy drum to cable diameter ratio and a sufficient working length despite the short drums.

Winch type Pneumatic	WLL 1st layer kg	WLL top layer kg	Recomm. Rope diam. mm	Average speed* m/min.	Maximum speed** m/min.	Drumcap. 1st layer m	Drumcap. 5th layer m	Pressure drop in bar	Flow in l/sec.
FD 301 LV	1850	1470 (4)	11	10	13	10	53 (4)	6.5	90

\* Average speed is based on the speed in the middle layer at 75% of WLL

\*\* Maximum speed is based on the speed in the top layer at unloaded conditions

# BRIDON

**BRIDON** – the world’s leading specialist in the manufacture of wire and rope solutions for the most demanding applications, delivering reassurance through unrivalled experience.

Specialist steel & fibre rope solutions for the oil & gas industry.

**Oil & Gas Sectors** Reser Tensioner Lines, Anchor Lines, Drilling lines, Crane Ropes.

**Oil & Gas Products** Specialist fibre and steel rope Mooring, drilling, pipe laying and crane rope for exploration, infrastructure build and production

## DYFORM® DB2K

Rope diameter		Approximate mass				Minimum breaking force (Fmin)			Axial stiffness @20% load		Torque generated @20% load		Metallic cross section	
		In air		Submerged		kN	Tonnes	Tons (2000lbs)	MN	Mlbs	Ordinary lay		mm <sup>2</sup>	in <sup>2</sup>
mm	in	kg/m	lb/ft	kg/m	lb/ft						kN.m	lbs.ft		
52		12.2	8.87	11.5	7.72	2396	244	269	146	33	1.6	1195	1402	2.17
54	21/8	13.2	8.87	11.5	7.72	2584	263	290	157	35	1.8	1338	1512	2.34
56		14.2	9.54	12.4	8.30	2778	283	312	169	38	2.0	1492	1626	2.52
57.2	21/4	14.8	10.0	13.0	8.71	2899	295	326	176	40	2.2	1590	1696	2.63
60		16.3	11.0	14.2	9.53	3190	325	358	194	44	2.5	1835	1866	2.89
60.3	23/8	16.5	11.1	14.3	9.63	3222	328	362	196	44	2.5	1863	1885	2.92
63.5	21/2	18.3	12.3	15.9	10.7	3573	364	401	217	49	3.0	2175	2090	3.24
64		18.6	12.5	16.1	10.8	3629	370	408	221	50	3.0	2227	2123	3.29
66.7	25/8	20.2	13.5	17.5	11.8	3942	402	443	240	54	3.4	2521	2306	3.57
68		20.9	14.1	18.2	12.2	4097	418	460	249	56	3.6	2671	2397	3.72
69.9	23/4	22.1	14.9	19.3	12.9	4329	441	486	263	59	3.9	2902	2533	3.93
72		23.5	15.8	20.4	13.7	4593	468	516	279	63	4.3	3171	2687	4.17
76		26.2	17.6	22.8	15.3	5118	522	575	311	70	5.1	3729	2994	4.64
76.2	3	26.3	17.7	22.9	15.4	5145	524	578	313	70	5.1	3759	3010	4.67
80		29.0	19.5	25.2	16.9	5670	578	637	345	78	5.9	4350	3318	5.14
82.6	31/4	30.9	20.8	26.9	18.1	6045	616	679	368	83	6.5	4788	3537	5.48
84		32.0	21.5	27.8	18.7	6252	637	702	380	85	6.8	5036	3658	5.67
88		35.1	23.6	30.5	20.5	6861	699	771	417	94	7.9	5790	4014	6.22
88.9	31/2	35.8	24.1	31.1	20.9	7002	714	787	426	96	8.1	5969	4097	6.35
92		38.3	25.8	33.4	22.4	7321	746	822	456	103	8.8	6456	4387	6.80
95.3	33/4	41.1	27.6	35.8	24.1	7856	801	882	490	110	9.7	7176	4708	7.30
96		41.7	28.1	36.3	24.4	7972	813	896	497	112	9.9	7335	4777	7.40
100		45.3	30.4	39.4	26.5	8430	859	947	539	121	11	8086	5184	8.03
101.6	4	46.8	31.4	40.7	27.3	8702	887	978	556	125	12	8481	5351	8.29



Rope diameter		Approximate mass				Minimum breaking force (Fmin)			Axial stiffness @20% load		Torque generated @20% load		Metallic cross section	
		In air		Submerged		kN	Tonnes	Tons (2000lbs)	MN	Mlbs	Ordinary lay		mm <sup>2</sup>	in <sup>2</sup>
mm	in	kg/m	lb/ft	kg/m	lb/ft						kN.m	lbs.ft		
52		11.7	8.87	11.5	7.72	2231	227	251	140	32	1.5	1113	1338	2.07
54	21/8	12.6	8.87	11.5	7.72	2406	245	270	151	34	1.7	1246	1443	2.24
56		13.6	9.54	12.4	8.30	2587	264	291	163	37	1.9	1390	1552	2.41
57.2	21/4	14.2	10.0	13.0	8.71	2699	275	303	170	38	2.0	1481	1619	2.51
60		15.6	10.5	13.6	9.11	2970	303	334	187	42	2.3	1709	1781	2.76
60.3	23/8	15.7	10.6	13.7	9.20	3000	306	337	189	42	2.4	1735	1799	2.79
63.5	21/2	17.5	11.7	15.2	10.2	3327	339	374	209	47	2.7	2026	1995	3.09
64		17.7	11.9	15.4	10.4	3379	344	380	213	48	2.8	2075	2027	3.14
66.7	25/8	19.3	12.9	16.8	11.3	3670	374	412	231	52	3.2	2348	2201	3.41
68		20.0	13.5	17.4	11.7	3815	389	429	240	54	3.4	2489	2288	3.55
69.9	23/4	21.2	14.2	18.4	12.4	4031	411	453	254	57	3.7	2703	2418	3.75
72		22.4	15.1	19.5	13.1	4277	436	480	269	61	4.0	2954	2565	3.98
76		25.0	16.8	21.8	14.6	4765	486	535	300	67	4.7	3474	2858	4.43
76.2	3	25.1	16.9	21.9	14.7	4790	488	538	302	68	4.7	3502	2873	4.45
80		27.7	18.6	24.1	16.2	5280	538	593	333	75	5.5	4052	3167	4.91
82.6	31/4	29.5	19.9	25.7	17.3	5629	574	632	354	80	6.0	4460	3376	5.23
84		30.6	20.5	26.6	17.9	5821	593	654	367	82	6.4	4691	3491	5.41
88		33.5	22.5	29.2	19.6	6389	651	718	402	90	7.3	5393	3832	5.94
88.9	31/2	34.2	23.0	29.8	20.0	6520	665	732	411	92	7.5	5561	3911	6.06
92		36.6	24.6	31.9	21.4	6560	669	737	440	99	7.8	5782	4188	6.49
95.3	33/4	39.3	26.4	34.2	23.0	7039	717	791	472	106	8.7	6427	4494	6.97
96		39.9	26.8	34.7	23.3	7142	728	802	479	108	8.9	6570	4560	7.07
100		43.3	29.1	37.7	25.3	7750	790	871	520	117	10	7426	4948	7.67
101.6	4	44.7	30.0	38.9	26.1	8000	815	899	536	121	11	7788	5108	7.92
108	41/4	50.5	33.9	43.9	29.5	8305	847	933	606	136	12	8616	5771	8.95
114.3	41/2	56.6	38.0	49.2	33.1	9302	948	1045	679	153	14	10213	6464	10.0
120.7	43/4	63.1	42.4	54.9	36.9	10373	1057	1165	757	170	16	12027	7209	11.2
127	5	69.8	46.9	60.8	40.8	11484	1171	1290	838	188	19	14010	7981	12.4



BUTTERFLY VALVES  
CHECK VALVES  
SPECIAL VALVES  
ACTUATORS



VALVES CONTROL SYSTEM  
PNEUMATIC OR HYDRAULIC



**BUTTERFLY VALVES SOFT SEATED**  
Wafer - Lug - Double flanged  
DN 40 ÷ 800 / 1 1/2" ÷ 32"  
PN 6 - 10 - 16 - 25 • ANSI 150

**BUTTERFLY VALVES PTFE SEATED**  
Wafer - Lug  
DN 50 ÷ 500 / 2" ÷ 20"  
PN 6 - 10 - 16 • ANSI 150  
P max 10 Bar



**BUTTERFLY VALVES FOR HOT AIR/SMOKES**  
Wafer - Double flanged  
DN 50 ÷ 1000 / 2" ÷ 40"  
PN 6 - 10 - 16 - 25 • ANSI 150



**ACTUATORS**  
Pneumatic  
Electric  
Hydraulic



**SWING CHECK VALVES**  
DN 50 ÷ 600 / 2" ÷ 24"  
PN 16 - 25 • ANSI 150 - 300  
steel - stainless steel - bronze

**DISK CHECK VALVES**  
DN 15 ÷ 200 / 1/4" ÷ 8"  
PN 10 ÷ 160 • ANSI 150 ÷ 900  
steel - stainless steel  
bronze - PTFE

**DOUBLE ECCENTRIC BUTTERFLY VALVES**  
Wafer - Lug  
DN 50 ÷ 300 / 2" ÷ 12"  
PN 16 - 25 • ANSI 150  
P max 25 Bar



### Company Profile

Founded in 1932 by Paolo Garbarino, Pompe Garbarino has two factories in Acqui Terme (AL), Piedmont, Italy, and from 1994 a sales branch in Milan. The company's "core business" is in the marine and naval field and has diversified its production into the industrial field. We operate a very flexible approach and have the capability to produce more than 450 different models of pumps. Garbarino always puts the customer's needs first

### Marine and Naval Applications

- Main and auxiliaries cooling
- Ballast service
- Bilge service
- Deck water sealing
- Sludge
- Sewage transfer
- Main engine lub oil system
- Lub oil, fuel oil, waste oil transfer
- Boiler feed
- Economizer circulation
- Fire fighting & general services
- Fresh water system
- AC chilled water circulation
- HT/LT circulation
- Grey / Black water handling
- Water chilling

### Products

#### CENTRIFUGAL PUMPS

**MU** pumps according to EN 733

**MU-L** vertical in line pumps

**MU-LDS** vertical in line double suction pumps

**VS** vertically suspended line-shaft pumps

**MCA** recessed impeller torque flow pumps

**CN** chemical pumps according to ISO 2858-5199

**ZN** diathermic oil circulation pumps

**BT** side channel pumps

**G** multistage pumps

**GH** multistage high pressure pumps

**MM** fire fighting naval pumps

**MPF** portable diesel engine fire pumps

**VL** main engine lubrication pumps

**AD** self-priming pumps with open impeller

#### POSITIVE DISPLACEMENT PUMPS

**P** hollow oscillating disk pumps

**IN** gears pumps

**SWL** piston pumps



Now into our second century Ingersoll Rand has built a legacy as a trusted global leader in its field by delivering innovative solutions with expertise. Ingersoll Rand continues to advance compressed air technology to deliver a high quality product and reliable service.

Ingersoll Rand not only provides world-class products and support, but provides the peace of mind that comes from a commitment to support customers in all aspects of what they do. That peace of mind allows customers to focus on their primary objective: moving their businesses forward.

- © A full range of crew compressors is available for a large variety of applications to marine and offshore field.
- © Non-standard packages built to specification.
- © From compressors to system automation and everything in between, Ingersoll Rand is your total solution provider.

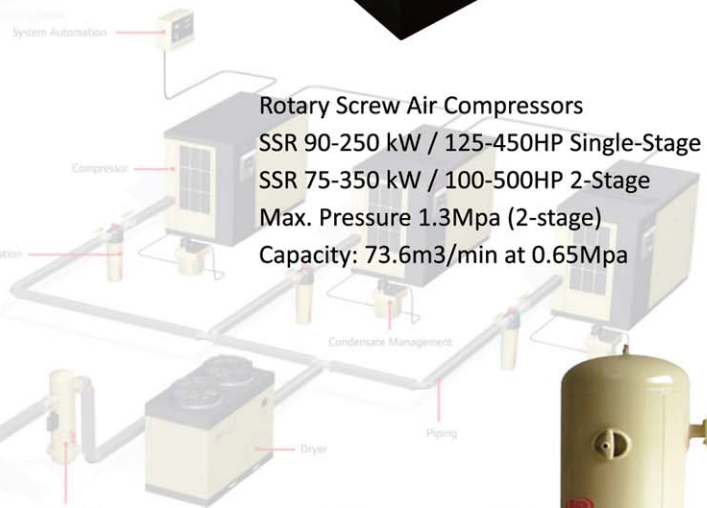


**Rotary Screw Air Compressors**  
 R-Series 90-160kw  
 Max. Pressure 1.4Mpa  
 Capacity: 29.45m<sup>3</sup>/min at 0.75Mpa

**Rotary Screw Air Compressors**  
 SSR 90-250 kW / 125-450HP Single-Stage  
 SSR 75-350 kW / 100-500HP 2-Stage  
 Max. Pressure 1.3Mpa (2-stage)  
 Capacity: 73.6m<sup>3</sup>/min at 0.65Mpa



**Adsorption Air Dryer**  
 150-5100m<sup>3</sup>/H  
 Max input pressure: 1.03Mpa



**Air receiver**  
 0.3-50m<sup>3</sup>, 0.8-1.3Mpa



Parat Halvorsen is Norway's leading supplier of steam and heat systems. We provide complete solutions to marine and offshore installations. In all corners of the world, there are Parat Halvorsen boilers in daily use. Quality and reliability have brought us where we are today.

**Fuel fired boilers**



**PARAT MTW  
Top-Fired Water  
Tube Boiler**  
Capacity (t/h):  
**7.0 - 45**

Medium:  
**STEAM**  
Pressure:  
**7 - 20 barg**



**PARAT MPW  
Vertical  
Pin-Tube Boiler**  
Capacity (t/h):  
**0.4 - 6.5**

Medium:  
**STEAM**  
Pressure:  
**7 - 12 barg**



**PARAT MSH  
Horizontal Smoke  
Tube Boiler**  
Capacity (t/h):  
**1.0 - 48**  
Capacity (MW):  
**0.8 - 32**

Medium:  
**STEAM  
HOT WATER**  
Pressure:  
**7 - 12 barg**



**PARAT MVW  
Water Tube  
Boiler**  
Capacity (t/h):  
**8.0 - 30**

Medium:  
**STEAM**  
Pressure:  
**7 - 20 barg**



**PARAT MVS  
Smoke Tube  
Boiler**  
Capacity (t/h):  
**0.2 - 6.5**  
Capacity (MW):  
**0.1 - 4.3**

Medium:  
**STEAM  
HOT WATER**  
Pressure:  
**7 - 12 barg**

**Electrical boilers**

**Heater**

**Exhaust gas boilers**



**PARAT MEH  
High Voltage  
Electrode Boiler**

Capacity (t/h):  
**4.5 - 75**  
Capacity (MW):  
**3.0 - 50**  
Medium:  
**STEAM  
HOT WATER**  
Pressure:  
**7 - 25 barg**



**PARAT MEL-C  
Low Voltage  
Boiler**

Capacity (t/h):  
**0.2 - 15**  
Capacity (MW):  
**0.1 - 10**  
Medium:  
**STEAM  
HOT WATER**  
Pressure:  
**7 - 12 barg**



**PARAT ECS  
Electrical  
Circulation  
Steam Boiler**

Capacity (t/h):  
**0.2 - 0.8**  
Capacity (MW):  
**0.1 - 0.5**  
Medium:  
**STEAM  
HOT WATER**  
Pressure:  
**7 - 20 barg**



**PARAT MEW  
Water Tube  
Waste Heat  
Recovery**

Capacity (t/h):  
**0.2 - 18**  
Capacity (MW):  
**0.1 - 12**  
Medium:  
**STEAM  
HOT WATER**  
Pressure:  
**7 - 20 barg**



**PARAT MES  
Smoke Tube  
WHRU**

Capacity (t/h):  
**0.2 - 15**  
Capacity (MW):  
**0.1 - 10**  
Medium:  
**STEAM  
HOT WATER**  
Pressure:  
**7 - 20 barg**

**Teldor Cables and Systems, established in 1966, designs and manufactures over 6,500 cables for a wide range of applications including offshore installations. All of Teldor DNV approved cables are supplied with unique cross-linked, flame-retardant low smoke zero halogen jacketing materials. Many of Teldor DNV cables meet the stringent IEC 60331 flame test for circuit integrity used in "Mission Critical" applications. In addition to the following DNV cable groups, Teldor also design and manufacture custom and hybrid cable constructions.**

**Copper Data Cables for the Shipping Industry and Offshore Installations**

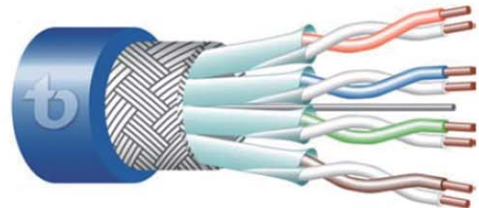
These cables are fully compliant with the IEC 61156 standards. All designs in this catalog are DNV approved for offshore use. The cables cover CAT6, CAT6A, CAT7 and CAT7A.

**Conductors:**

Solid or stranded construction Bare or tinned copper  
22 - 26 AWG depending on requirements

**Shielding and Armoring:**

U/UTP, U/FTP, F/FTP, S/FTP Armoring or Non-Armored



**FiberOptic Cables for Data Communication and Emergency Systems**

Our FiberOptic cables, for offshore use are for vital rapid communication and emergency systems required to be operational during a fire for more than three hours.

**Fiber Types:**

Multimode 62.5/125 μm (OM1), 50/125 μm (OM1, OM2, OM3, OM4)

Single-mode

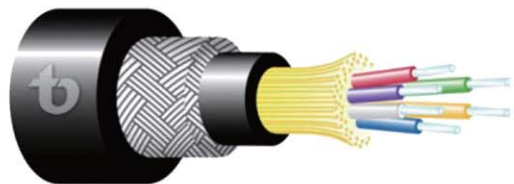
**Design Options:**

Multi or Single Loose-tube, Distribution or Breakout Tight Buffer construction

Armoring or Non-Armored

Dielectric or Steel Central Strength members

Special UV Resistant Cross-linked Flame Retardant Low Smoke Zero Halogen Jacket materials



**Bus Cables for Ship, Onshore and Offshore Installations**

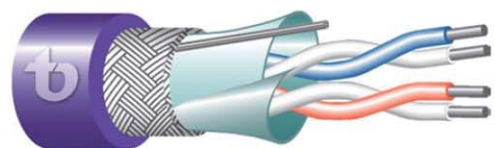
When combining data communication cabling with the offshore environment, use Teldor's DNV Approved BUS or Industrial Ethernet Cables. Whether you require CanBUS, FieldBUS, InterBUS, DeviceNET or RS-485 cables, with any shielding and armoring option, and varying pair counts, Teldor Cables and Systems is your "one-stop-DNV-cable-shop"!

**Conductors:**

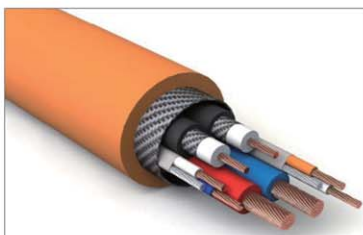
Solid or stranded construction Bare or tinned copper  
22 - 26 AWG depending on requirements

**Shielding and Armoring:**

U/UTP, U/FTP, F/FTP, S/FTP Armoring or Non-Armored



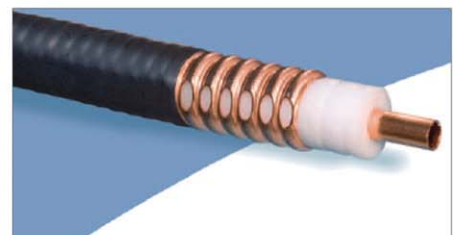
We can also provide other brand cables include coaxial cable, antenna feeder cable, leaky feeder cable, CCTV multi cable etc.



CCTV multi cable



Antenna feeder cable



Leaky feeder cable



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## CONTACTS

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Please consult our website for further details.  
请查阅我们的网站以了解更详细的信息。