



Oil & Gas - Cable Solutions

Exploration & Production - Offshore/Onshore

Instrumentation Cables

IEEE/IEC

BOSTRIG™ TYPE P SIGNAL CABLE 600 V

Multi core unarmoured/armoured and sheathed, overall shielded Type P signal cable 600 V, 20/18/16 AWG. Mud Resistant design option (Type P-MR) available on demand.

APPLICATION

Bostrig™ Type P Marine and Offshore Cable is primarily designed for power, control, signal, and instrumentation applications for offshore, land drilling rigs, marine vessels, and offshore production facilities. Armored and sheathed cables are suitable for use in Class I Division 1 and Zone 1 hazardous locations offshore. Unarmored cables are suitable for use in Class I, Division 2 hazardous locations offshore.

STANDARDS & APPROVALS

IEEE 1580 and IEEE 45 Marine Shipboard Cables
UL 1309 Marine Shipboard Cable Type XP110
CSA 22.2 No. 245 Marine Shipboard Cable Type XP110
CSA 22.2 No. 230 as Type TC-ER (unarmoured)
CSA 22.2 No. 239 as Type CIC (unarmoured)
UL 1277 Type TC-ER for exposed runs (unarmoured)
ASTM B 33 Conductor Materials
CSA 22.2 Cold bend/cold impact (-40 °C / -35 °C)
IEEE 1202 and IEC 60332-3-22 Flame propagation



Det Norske Veritas (DNV)



American Bureau of Shipping (ABS)
 Transport Canada Approved AMS400-20-2
 Transport Canada 8700-20-2



Lloyd's Register of Shipping (LRS)
 United States Coast Guard-46CFR



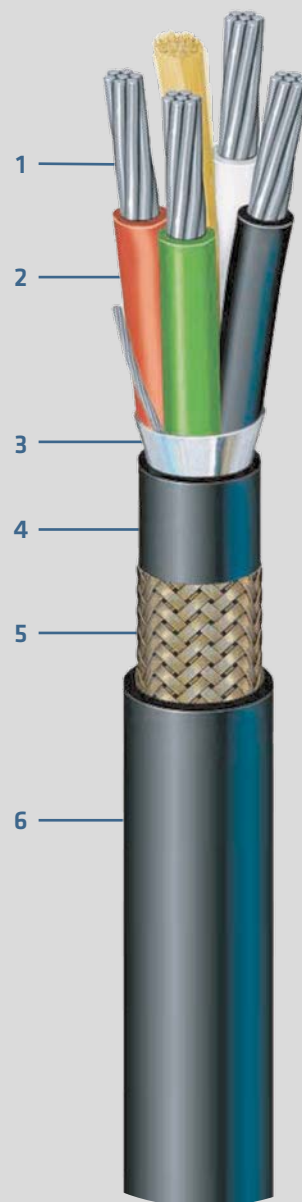
ETL listed



CSA listed

DESIGN & CONSTRUCTION

- 1 CONDUCTOR**
Soft annealed tinned copper; a polyester tape separator is used over the conductor
- 2 INSULATION**
Bostrig Type P chemically cross-linked polyolefin (XLPO)
- 3 SHIELD**
An aluminum/polyester tape with drain wire, 100% coverage, is applied over the cabled core, made of unscreened twisted pairs
- 4 JACKET**
Flame-retardant Arctic Neoprene (complying with Type N Neoprene as required in IEEE 1580)
- 5 ARMOUR (optional)**
Braided bronze
- 6 SHEATH (only armoured versions)**
Flame-retardant Arctic Neoprene applied over the armor (complying with Type N Neoprene as required in IEEE 1580)
Special ester-based mud resistant jacket is available on request



Bostrig Signal OS - 09/2017

CONTACT INFO:
 prysmianoilandgas@prysmiangroup.com
 www.prysmiangroup.com/contact-us



Oil & Gas - Cable Solutions

Exploration & Production - Offshore/Onshore

Instrumentation Cables

IEEE/IEC

PERFORMANCES / RATINGS

FIRE BEHAVIOUR



IEEE 1202
IEC 60332-3-22

CHEMICAL RESISTANCE



VERY GOOD
EXCELLENT (MUD RES)

IMPACTS



GOOD

SMOKE DENSITY, CORROSIVITY AND TOXICITY



LOW EMISSION (MUD RES)

MIN. PERMISSIBLE AMBIENT TEMPERATURE DURING LAYING



-40 °C
(-20 °C MUD RES)

MAX OPERATING TEMPERATURE



+100 °C

SHORT CIRCUIT TEMPERATURE



+250 °C

UV RESISTANCE



GOOD

QUALITY & TESTING

Prysmian has a built-in multi-step quality assurance program, covering the production process from cable design and raw material purchases to final inspection and testing documentation.

The ISO 9001 quality system of Prysmian Group (together with ISO 14001 and OHSAS 18001) has been assessed, approved and is currently audited by SGS.

This information is provided for reference only. Please consult the factory or your representative to confirm all engineering information. This information is not intended to replace the information in the appropriate and applicable standard or code.

CONTACT INFO:
prysmianoilandgas@prysmiangroup.com
www.prysmiangroup.com/contact-us

Prysmian
Group



Oil & Gas - Cable Solutions

Exploration & Production - Offshore/Onshore

Instrumentation Cables

IEEE/IEC

TECHNICAL DATA

Overall screened unarmoured - 20 AWG • 0.61 mm²

NUMBER OF CONDUCTORS	STRANDING	INSULATION THICKNESS		SHEATH THICKNESS		CABLE DIAMETER (NOMINAL)		CABLE WEIGHT (APPROXIMATE)	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	Lbs/Mft	kg/km
3	19/32	0,03	0,76	0,06	1,5	0,34	8,6	65	95
4	19/32	0,03	0,76	0,06	1,5	0,37	9,4	80	120
5	19/32	0,03	0,76	0,06	1,5	0,4	10,2	90	135
6	19/32	0,03	0,76	0,06	1,5	0,43	10,9	105	155

Overall screened unarmoured - 18 AWG • 0.96 mm²

NUMBER OF CONDUCTORS	STRANDING	INSULATION THICKNESS		SHEATH THICKNESS		CABLE DIAMETER (NOMINAL)		CABLE WEIGHT (APPROXIMATE)	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	Lbs/Mft	kg/km
3	19/30	0,03	0,76	0,06	1,5	0,36	8,6	65	95
4	19/30	0,03	0,76	0,06	1,5	0,4	9,4	80	120
5	19/30	0,03	0,76	0,06	1,5	0,43	10,2	90	135
6	19/30	0,03	0,76	0,06	1,5	0,46	10,9	105	155
25	19/30	0,03	0,76	0,06	1,5	0,8	20,3	395	590

Overall screened unarmoured - 16 AWG • 1.23 mm²

NUMBER OF CONDUCTORS	STRANDING	INSULATION THICKNESS		SHEATH THICKNESS		CABLE DIAMETER (NOMINAL)		CABLE WEIGHT (APPROXIMATE)	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	Lbs/Mft	kg/km
3	19/29	0,03	0,76	0,06	1,5	0,39	9,9	90	135
4	19/29	0,03	0,76	0,06	1,5	0,41	10,4	110	165
5	19/29	0,03	0,76	0,06	1,5	0,45	11,4	130	195
6	19/29	0,03	0,76	0,06	1,5	0,48	12,2	150	225
12	19/29	0,03	0,76	0,06	1,5	0,62	15,7	255	380

This information is provided for reference only. Please consult the factory or your representative to confirm all engineering information. This information is not intended to replace the information in the appropriate and applicable standard or code.



Oil & Gas - Cable Solutions

Exploration & Production - Offshore/Onshore

Instrumentation Cables

IEEE/IEC

TECHNICAL DATA

Overall screened armoured and sheathed - 20 AWG • 0.61 mm²

NUMBER OF CONDUCTORS	STRANDING	INSULATION THICKNESS		SHEATH THICKNESS		CABLE DIAMETER (NOMINAL)		CABLE WEIGHT (APPROXIMATE)	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	Lbs/Mft	kg/km
3	19/32	0,03	0,76	0,06	1,5	0,53	13,5	185	275
4	19/32	0,03	0,76	0,06	1,5	0,56	14,2	210	315
5	19/32	0,03	0,76	0,06	1,5	0,59	15	230	340
6	19/32	0,03	0,76	0,06	1,5	0,61	15,5	255	380

Overall screened armoured and sheathed - 18 AWG • 0.96 mm²

NUMBER OF CONDUCTORS	STRANDING	INSULATION THICKNESS		SHEATH THICKNESS		CABLE DIAMETER (NOMINAL)		CABLE WEIGHT (APPROXIMATE)	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	Lbs/Mft	kg/km
3	19/30	0,03	0,76	0,06	1,5	0,54	13,7	205	305
4	19/30	0,03	0,76	0,06	1,5	0,57	14,5	230	340
5	19/30	0,03	0,76	0,06	1,5	0,62	15,7	260	385
6	19/30	0,03	0,76	0,06	1,5	0,63	16	286	425
25	19/30	0,03	0,76	0,06	1,5	1,11	28,2	705	1050

Overall screened armoured and sheathed - 16 AWG • 1.23 mm²

NUMBER OF CONDUCTORS	STRANDING	INSULATION THICKNESS		SHEATH THICKNESS		CABLE DIAMETER (NOMINAL)		CABLE WEIGHT (APPROXIMATE)	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	Lbs/Mft	kg/km
3	19/29	0,03	0,76	0,06	1,5	0,57	14,5	220	325
4	19/29	0,03	0,76	0,06	1,5	0,6	15,2	255	380
5	19/29	0,03	0,76	0,06	1,5	0,64	16,3	285	425
6	19/29	0,03	0,76	0,06	1,5	0,67	17	315	470
12	19/29	0,03	0,76	0,06	1,5	0,82	20,8	470	700

This information is provided for reference only. Please consult the factory or your representative to confirm all engineering information. This information is not intended to replace the information in the appropriate and applicable standard or code.

CONTACT INFO:
 prysmianoilandgas@prysmiangroup.com
 www.prysmiangroup.com/contact-us

Prysmian
Group