Power & Signal Penetrator



Bruce Systems 18 Cores Power & Signal Penetrator has been designed for use on electrical route through pressure vessels and equipment. It has been specifically designed to withstand both gas and hydrostatic pressure, in line with the requirements of DNV rules for classification of diving systems. Inner and outer cables are composed 6 TSPs (Twisted Shielded Pairs), each one having its independent shield passing through the penetrator. This robust design makes it the ideal choice for signal communications such as clear analog voice and video communications,fast serial links and even Ethernet links up to 100 Mbps(megabits per second).optional materials are available. Penetrators can be designed and manufactured entirely according to client requirements, therefore the connection types and dimensions, cable characteristics, penetrator body material, and type and colour of the overmolding resins can be customised according to the specific applicable requirements .

STANDARD SPECIFICATIONS:

Connection:	1” NPT
Max contact configuration:	18 pin
Core size:	0,5 mm2
Pigtail length (inner area):	2 m
Cable length (outer area):	12 m
Design temperature:	-5 ÷ +55°C
Operating max depth:	300 msw
Test pressure:	63 bar
Test voltage:	250 VAC
Max current:	2 A

Classification: DNV-DSS-105 / DNV-OS-E402

Order code: BS-18C-PSP-SS-NPT

OPTIONAL EXTRAS:

Body material [BM]	Brass [OT]
	Titanium [TI]
	Stainless Steel [SS]
Connection types [CT]	1” NPT :[1NP]
	M36x2: [M36]
	3/4”NPT: none
Other class [CS]	Lloyd’s Register: [LRS]
	American Bureau of Shipping: [ABS]
	DNV-GL: none
Cable lenghts [CL]	XX m
Pigtail lengths [PL]	YY m

Order code: BS-12C-PSP-[BM]-[CT]-[CS]-[CL]-[PL]

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