

Ex Industries

Armored Instrumentation Cables to BS6883

Low Smoke Zero Halogen, Pairs/Triples – Individually Screened. TAC, EPR, SCRN, SW4, GSWB, SW4 150/250V

APPLICATION

Armored control and instrumentation cable for use in fixed installation in ships and offshore units (eg. Drilling rigs, oil platforms, etc). For use in regularly occupied areas such as accommodation facilities, control rooms, and computer suits. Any application where life may be endangered by smoke and noxious fumes, and where vital, sensitive equipment may be damaged by acid forming gases.

Specifications

- In accordance with BS6883.
- **Conductor:** Tinned annealed copper. Stranded to BS 6360 Class II or flexible to BS6360 Class V.
- **Insulation:** EPR complying to BS7655 GP4
- **Core Identification:** Black and white pairs. Triple black, white and red
- **Screening:** Aluminum Mylar tape wrapped around each pair/triple/quad in contact with tinned copper drain wire.
- **Inner Sheath:** Will be the same material as the outer sheath, based on the requirements of BS7655 section 2.6 Type SW4 with improved characteristics. Enhanced oil resistance, low smoke zero halogen, minimum tear resistance.
- **Armor:** Galvanised steel wire braid to BS EN 10257-1.
- **Outer Sheath:** As inner sheath. Identification legend will include manufacturers name, voltage, BS6883, no. of pairs/triples and c.s.a, cable sheath class (e.g. SW4) and IEC 60332 and UK00A code where applicable.
- Standard sheath colors are grey, blue or black. Other colors available on request.
- Oxygen index >32%, temperature index 250 degrees C, HCL emission <0.5% of weight of compound at 800 degrees C.
- Flame retardant to IEC60332 Part 3 Category A (reduced propagation).
- **Temp. Rating:** 90 degrees C max conductor operation temperature.
- **Voltage Rating:** 150/250V.

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Nom Cond. Area mmsq	Nom Cond. Stranding #/mm	No. of Pairs / Triples	Dia. Over Inner Sheath		Min OD mm	Max OD mm	Approx Weight Kg/km
			Min	Max			
1.5	7/0 .53	1P	7.9	9.1	11.9	13.6	262
1.5	7/0 .53	2P	14.6	16.1	19	21.1	591
1.5	7/0 .53	3P	15.2	16.8	19.7	22.1	697
1.5	7/0 .53	5P	18.8	20.5	23.5	26	983
1.5	7/0 .53	7P	20.9	23	25.9	28.5	1181
1.5	7/0 .53	10P	25.6	27.8	31.8	35	1323
1.5	7/0 .53	12P	27.2	29.4	33.4	36.5	1907
1.5	7/0 .53	20P	36.2	39	42.9	46.8	3052
1.5	7/0 .53	1TR	9.2	10.3	13.2	14.8	304
1.5	7/0 .53	3TR	17.9	19.6	22.4	24.9	760
1.5	7/0 .53	7TR	24.1	26.3	29.0	32	1262
1.5	7/0 .53	12TR	32.6	35.4	38.9	42.5	2148

Notes:

All dimensions must be verified at time of ordering.

Other sizes available upon request.

Minimum quantities may be required.