

Ex Industries

Armored Instrumentation Cables to BS7917

Fire Resistant, Pairs/Triples – Collectively Screened. Low Smoke Zero Halogen
TAC, MGT, EPR SCRN, ZH, GSWB, SW4 150/250V

APPLICATION

Control and instrumentation cable for use in fixed installation in ships and offshore units where fire resistance and circuit integrity is essential. 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 BS7917. Fire resistant properties relevant to IEC60331.
- **Conductor:** Tinned annealed copper. Stranded to BS 6360 Class II or flexible to BS6360 Class V.
- **Insulation:** Mica Glass Tape, EPR complying to BS7655 GP4
- **Core Identification:** Black and white pairs. Triple black, white and red
- **Screening:** Aluminium mylar tape in contact with tinned copper drain wire
- **Inner Sheath:** Zero halogen rubber complying generally with BS7655
- **A armor:** Galvanised steel wire braid to BS EN 10257-1
- **Outer Sheath:** Low smoke zero halogen Type SW4 to BS7655 section 2.6. Enhanced oil resistance, low smoke zero halogen, minimum tear resistance.
- Identification. Legend will include manufacturers name, voltage, no. of pairs/triples c.s.a, cable sheath type (e.g. SW4), IEC60331 and UK00A code where applicable.
- Standard sheath colors are grey, blue and black. Other colors available on request.
- Oxygen index >32%. Temperatures index 250 degree C, HCL emission <0.5% or weight of compound at 800 degrees C.
- Flame retardant to IEC60332 Part 3 Category A (reduced propagation).
- Fire resistant to IEC60331 (enhanced to 1000 Degrees C for 3 hours)
- **Temp. Ration:** 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
			Min	Max			
1.5	7/0 .53	1P	9.6	10.8	13.6	15.2	320
1.5	7/0 .53	2P	14.7	16.2	19.1	25.5	666
1.5	7/0 .53	3P	15.8	17.4	20.1	26.6	771
1.5	7/0 .53	5P	19.3	21.1	24	30.5	1045
1.5	7/0 .53	7P	21	23	25.7	32.6	1189
1.5	7/0 .53	10P	26.8	29	32	39.2	1678
1.5	7/0 .53	12P	27.7	29.9	33.7	40.8	1869
1.5	7/0 .53	20P	34.9	37.6	41.4	45.3	2860
1.5	7/0 .53	24P	39	42	45.8	49.7	3225
1.5	7/0 .53	1TR	10.1	11.4	14.2	15.8	336
1.5	7/0 .53	3TR	19.8	21.8	24.3	31	979
1.5	7/0 .53	7TR	26.7	28.8	31.5	38.7	1594
1.5	7/0 .53	12TR	36.2	39	42.4	50.1	2647

Notes:

All dimensions must be verified at time of ordering.

Other sizes available upon request.

Minimum quantities may be required.