

Ex Industries

Armored Power and Control Cables to BS6883

Low Smoke Zero Halogen

Single Core – TAC EPR, SW4, WB, SW4 600/1000 volts

Multi Core – TAC EPR, SW4, GSWB, SW4 600/1000 volts

APPLICATION

Armored cables for fixed wiring in ships, and in mobile and fixed offshore units (e.g. drilling rigs, oil platforms, etc.). For use in regularly occupied areas such as accommodation facilities, control rooms and computer suites. 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:** The core shall be identified by numbers unless requested otherwise.
- **Inner Sheath:** Will be the same material as the outer sheath, based on the requirements of BS7655 section 2.6 Type SW4. Enhanced oil resistance, low smoke zero halogen, minimum tear resistance.
- **Armor:** Wire braid in the following optional materials:
 - Galvanized mild steel to BS EN 10257-1
 - Tinned phosphor Bronze to BS2873-PB102 (now BS EN 12166)
 - Copper to BS4109
- **Outer Sheath:** As inner sheath. Identification legend will include manufacturers name, voltage, BS6883, no. of cores and c.s.a, cable sheath class (e.g. SW4) and IEC 60332 and UK00A cod where applicable.
- Standard sheath is 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. Ration:** 90 degrees C max conductor operation temperature.
- **Voltage Rating:** 600/1000V.

Ex Industries 22755 Savi Ranch Parkway Yorba Linda Ca 92887 1-800-990-4394
www.exindustries.com

Ex Industries

Single Core

Nom Cond. Area mmsq	Nom Cond. Stranding #/mm	Dia. Over Inner Sheath		Min OD mm	Max OD mm	Approx Weight
		Min	Max			
50	19/1.78	13.7	15.2	18.1	20.1	846
70	19/2.14	15.4	17.1	19.9	22.4	1102
95	37/1.78	17.7	19.4	22.4	24.9	1422
120	37/2.03	19.6	21.5	24.5	27.0	1761
150	37/2.25	21.6	23.7	26.8	29.4	2124
185	37/2.52	24.0	26.3	30.0	33.3	2694
240	61/2.25	27.1	29.4	33.3	36.6	3413
300	61/2.52	30.0	32.9	36.5	40	4173

Two Core

Nom Cond. Area mmsq	Nom Cond. Stranding #/mm	Dia. Over Inner Sheath		Min OD mm	Max OD mm	Approx Weight
		Min	Max			
1.5	30/0.25	8.4	9.5	12.4	14	268
2.5	7/0.67	9.2	10.3	13.2	14.7	314
4.0	7/0.85	11.3	12.6	15.5	17.2	430
6.0	7/1.04	12.4	13.8	16.8	18.5	523
10	7/1.35	14.5	15.9	18.9	20.6	687
16	7/1.70	16.8	18.3	21.3	23.5	925
25	19/1.35	20.5	22.4	25.4	27.9	1365

Three Core

Nom Cond. Area mmsq	Nom Cond. Stranding #/mm	Dia. Over Inner Sheath		Min OD mm	Max OD mm	Approx Weight
		Min	Max			
1.5	30/0.25	8.9	10.0	12.9	14.4	298
2.5	7/0.67	9.8	11.0	14.0	15.5	360
4.0	7/0.85	12.0	13.4	16.2	17.9	490
6.0	7/1.04	13.2	14.6	17.6	19.4	601
10	7/1.35	15.4	17.0	19.9	22.2	821
16	7/1.70	17.9	19.4	22.6	24.8	1113
25	19/1.35	22.1	24.1	27.2	29.8	1687
35	19/1.53	24.1	26.1	30.1	33.1	2120
50	19/1.78	27.8	29.8	34.0	36.9	2736
70	19/2.14	31.9	34.3	38.5	41.8	3660
95	37/1.78	36.8	39.2	43.8	47.2	4773
120	37/2.03	40.6	43.4	48.0	51.9	5925
150	37/2.25	45.0	47.9	52.7	56.8	7178
185	37/2.52	50.2	53.6	58.3	62.9	8881
240	61/2.25	56.8	60.3	65.3	70.1	11325

Four Core

Nom Cond. Area mmsq	Nom Cond. Stranding #/mm	Dia. Over Inner Sheath		Min OD mm	Max OD mm	Approx Weight
		Min	Max			
1.5	30/0.25	9.7	10.9	13.9	15.4	342
2.5	7/0.67	10.7	12.0	14.4	16.4	419
4.0	7/0.85	13.2	14.6	17.6	19.3	586
6.0	7/1.04	14.7	16.2	19.3	21.1	737
10	7/1.35	17.2	18.7	21.9	24.1	1013
16	7/1.70	19.9	21.8	24.8	27.1	1382

25	19/1.35	24.6	26.6	30.6	33.6	2191
35	19/1.53	26.9	28.9	33.1	36.0	2654
50	19/1.78	30.9	33.3	37.5	40.6	3434
70	19/2.14	35.5	37.9	42.4	46.0	4625
95	37/1.78	40.9	43.7	48.3	52.1	6020
120	37/2.03	45.4	48.3	53.1	57.2	7525
150	37/2.25	50.3	53.5	58.4	62.9	9125
185	37/2.52	56.0	59.5	64.5	69.4	11221

Notes:

All dimensions must be verified at time of ordering.

Other sizes available upon request.

Minimum quantities may be required.

Ex Industries 22755 Savi Ranch Parkway Yorba Linda Ca 92887 1-800-990-4394
www.exindustries.com

Ex Industries 22755 Savi Ranch Parkway Yorba Linda Ca 92887 1-800-990-4394
www.exindustries.com