

BS 6883:1999 150/250Volt

Single and Multi Pair/Triple/Quad Collective Screen

APPLICATION

Offshore installations.

CONSTRUCTION



CONDUCTOR	Tinned copper conductors to BS EN 60228 class 2 or 5
INSULATION	EPR Type GP4 to BS 7655 90 Deg C
COLOUR CODE	Pairs Black, White , Triples Black,White,Red, Quads Black,White,Red,Blue Cores numbered
COLLECTIVE SCREEN	24µm aluminium / PETP tape over 7-stranded tinned copper drain wire, 0.5mm ²
INNER SHEATH	SW4 to BS 7655 section 2.6
ARMOURING	Galvanised steel wire braid BS EN 10257-1
OUTER SHEATH	SW4 to BS 7655 section 2.6

Electrical Data at 20 Deg C

Conductor Size mm²
 Conductor resistance Ohm/Km Max Class 2
 Conductor resistance Ohm/Km Max Class 5
 Insulation Resistance Min G ohmXKm
 Mutual Capacitance Max nF/Km
 Single Pair/Triple/Quad
 up to & Inc 4 pair/triple/Quad
 above 4 pair/triple/Quad
 Inductance Max mH/Km
 L/R ratio Max uH/ohm
 Test Voltage Kv
 Core to Core
 Core to screen
 Operating Voltage Kv

0.75	1	1.5	2.5
25	18.5	12.3	7.4
27.2	20.4	14.2	9.2
5	5	5	5
104	115	128	150
88	96	105	125
88	96	105	125
1	1	1	1
21	27	38	60
1.5	1.5	1.5	1.5
0.3	0.3	0.3	0.3
.15/.25	1.5/2.5	1.5/2.5	1.5/2.5

Flame Retardant to IEC 60332-3-22 (Cat A)
 Min Bending Radius 8xcable OD
 Oxygen Index >32%
 HCL < 0.5%
 Oil Resistant to BS 7655-2.6 (7x24h, 100°C)

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No of Pairs	RT of Insulation nom.	RT of inner sheath nom.	Ø over inner sheath approx.	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter approx.	Weight approx.	UK00A Code	UK00A Code
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)	Grey	Blue
0.75mm2 (Class 5)									
1	0.8	1	7.7	0.3	1.2	11.6	201	KJF00	KGF00
2 (Quad)	0.8	1.1	11.5	0.3	1.3	14.8	300	KJX00	KGX00
3	0.8	1.2	12.6	0.3	1.4	16.9	374	KJH00	KGH00
5	0.8	1.3	15.2	0.3	1.5	19	510	KJI00	KGI00
7	0.8	1.4	16.9	0.3	1.6	21.6	606	KJJ00	KGJ00
10	0.8	1.5	19	0.3	1.7	24	810		
12	0.8	1.6	21.8	0.3	1.8	26.9	984	KJK00	KGK00
19	0.8	1.8	26	0.45	1.9	32	1300		
20	0.8	1.8	27.5	0.45	2	33.8	1428	KJL00	KGL00
1.0mm2 (Class 5)									
1	0.8	1.1	8.1	0.3	1.2	12	215	KJF01	KGF01
2 (Quad)	0.8	1.1	12	0.3	1.3	15.1	350	KJX01	KGX01
3	0.8	1.3	13.5	0.3	1.4	17.8	417	KJH01	KGH01
5	0.8	1.3	15.6	0.3	1.5	20.1	550		
7	0.8	1.4	17.9	0.3	1.6	22.6	671	KJJ01	KGJ01
10	0.8	1.5	21.2	0.3	1.7	25.6	830		
12	0.8	1.6	23.1	0.3	1.8	28.2	999	KJK01	KGK01
19	0.8	1.8	28.9	0.45	2	34.5	1550		
20	0.8	1.8	29.2	0.45	2.1	35.7	1619	KJL01	KGL01
1.5mm2 (Class 5)									
1	0.8	1.1	8.7	0.3	1.4	13	253	KJF02	KGF02
2 (Quad)	0.8	1.1	13	0.3	1.4	17	400	KJX02	KGX02
3	0.8	1.3	14.6	0.3	1.4	18.9	479	KJH02	KGH02
5	0.8	1.4	17.6	0.3	1.6	22.5	760		
7	0.8	1.5	19.7	0.3	1.7	24.6	819	KJJ02	KGJ02
10	0.8	1.6	23.4	0.45	1.7	28.8	1232		
12	0.8	1.7	25.4	0.45	1.8	31.3	1332	KJK02	KGK02
19	0.8	1.8	30	0.45	2	37.8	1830		
20	0.8	1.8	31.8	0.45	2.1	38.3	1942	KJL02	KGL02

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	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)	Grey	Blue
2.5mm² (Class 5)									
1	0.8	1.1	9.7	0.3	1.4	14	300	KJF03	KGF03
2 (Quad)	0.8	1.2	15	0.3	1.5	19.5	492	KJX03	KGX03
3	0.8	1.2	18	0.3	1.6	22.2	650	KJH03	KGH03
5	0.8	1.4	19.7	0.3	1.6	24.4	818		
7	0.8	1.5	24.3	0.3	1.7	28.7	1234	KJJ03	KGJ03
10	0.8	1.6	26.6	0.45	1.8	32.5	1482		
12	0.8	1.6	28.8	0.45	1.9	38.7	1890	KJK03	KGK03
19	0.8	2	34	0.45	2	41	2345		
20	0.8	2	35.7	0.45	2	42	2498	KJL03	KGL03

RT = Radial Thickness

