

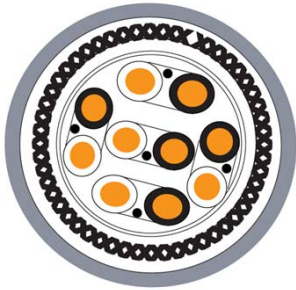
BS 6883:1999 150/250Volt

Single and Multi Pair/Triple/Quad Individual 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
INDIVIDUAL 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
104	115	128	150
104	115	128	150
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	KKF00	KHF00
2	0.8	1.1	11.5	0.3	1.2	15.4	340		
3	0.8	1.2	12.8	0.3	1.4	17.1	406	KKH00	KHH00
5	0.8	1.3	14.7	0.3	1.5	19.6	530		
7	0.8	1.4	17.4	0.3	1.6	22.1	665	KKJ00	KHJ00
10	0.8	1.5	19.9	0.3	1.7	25.1	890		
12	0.8	1.6	22.5	0.3	1.8	27.6	1000	KKK00	KHK00
19	0.8	1.9	27.8	0.45	2	33.5	1567		
20	0.8	1.9	28.7	0.45	2.1	35.2	1651	KKL00	KHL00
1.0mm² (Class 5)									
1	0.8	1.1	8.1	0.3	1.2	12	215	KKF01	KHF01
2	0.8	1.1	11.9	0.3	1.3	16.5	378		
3	0.8	1.3	13.8	0.3	1.4	18.1	455	KKH01	KHH01
5	0.8	1.3	15.4	0.3	1.5	21.3	630		
7	0.8	1.4	18.4	0.3	1.6	23.1	732	KKJ01	KHJ01
10	0.8	1.6	21.8	0.3	1.7	27.8	1100		
12	0.8	1.7	24	0.45	1.9	30.1	1251	KKK01	KHK01
19	0.8	1.8	29.2	0.45	2.1	35.6	1690		
20	0.8	1.9	30.4	0.45	2.2	37.1	1849	KKL01	KHL01
1.5mm² (Class 5)									
1	0.8	1.1	8.7	0.3	1.4	13	253	KKF02	KHF02
2	0.8	1.2	13.4	0.3	1.4	17.8	456	KKG02	KKH02
3	0.8	1.4	15.1	0.3	1.6	19.8	550	KKH02	KHH02
5	0.8	1.4	18.7	0.3	1.6	23.4	756		
7	0.8	1.5	20.1	0.3	1.7	25	880	KKJ02	KHJ02
10	0.8	1.6	24.3	0.45	1.8	29.9	1245		
12	0.8	1.7	26.1	0.45	1.9	32.2	1465	KKK02	KHK02
19	0.8	2	32.1	0.45	2	38.8	2110		
20	0.8	2	33.3	0.45	2.2	40	2207	KKL02	KHL02

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No of Triples	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	1.1	8.3	0.3	1.2	12.2	223	KKR00	KHR00
2	0.8	1.1	12.9	0.3	1.3	15.8	445		
3	0.8	1.3	14.3	0.3	1.5	18.8	510	KKS00	KHS00
5	0.8	1.3	18.7	0.3	1.6	22.9	710		
7	0.8	1.5	20.1	0.3	1.7	25	879	KKT00	KHT00
10	0.8	1.6	23.2	0.3	1.8	29.8	1212		
12	0.8	1.7	25.6	0.45	2	31.9	1396	KKU00	KHU00
1.0mm² (Class 5)									
1	0.8	1.1	8.8	0.3	1.2	12.7	242	KKR01	KHR01
2	0.8	1.2	13.5	0.3	1.4	17.8	445		
3	0.8	1.3	15.1	0.3	1.5	19.6	556	KKS01	KHS01
5	0.8	1.4	19.8	0.3	1.6	24.5	810		
7	0.8	1.5	21.3	0.3	1.7	26.2	970	KKT01	KHT01
10	0.8	1.6	24.8	0.3	1.8	30.8	1324		
12	0.8	1.8	27.3	0.45	2	33.6	1573	KKU01	KHU01
1.5mm² (Class 5)									
1	0.8	1.1	9.4	0.3	1.4	13.7	287	KKR02	KHR02
2	0.8	1.2	14.1	0.3	1.5	18.7	521		
3	0.8	1.3	16.3	0.3	1.5	20.8	647	KKS02	KHS02
5	0.8	1.4	20.8	0.3	1.6	25.7	980		
7	0.8	1.5	23.1	0.3	1.7	28	1156	KKT02	KHT02
10	0.8	1.6	26.9	0.45	1.8	34	1678		
12	0.8	1.8	29.7	0.45	2	36	1869	KKU02	KHU02

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	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)	Grey	Blue
2.5mm² (Class 2)									
1	0.8	1.2	9.9	0.3	1.4	14.2	311	KKF03	KHF03
2	0.8	1.3	15.7	0.3	1.4	20	527		
3	0.8	1.3	16.6	0.3	1.5	21.1	632	KKH03	KHH03
5	0.8	1.4	20.4	0.3	1.6	25.1	891		
7	0.8	1.4	22.3	0.3	1.7	27.2	1099	KKJ03	KHJ03
10	0.8	1.5	27.3	0.45	1.8	33.2	1603		
12	0.8	1.5	28.7	0.45	1.8	34.6	1792	KKK03	KHK03
19	0.8	1.7	35.6	0.45	2	41.9	2595		
20	0.8	1.7	36.4	0.45	2	42.7	2695	KKL03	KHL03