

**BS 7917:1999 150/250Volt Fire Resistant**  
**Single and Multi Pair/Triple/Quad Individual Screen**

**APPLICATION**

Offshore installations.

**CONSTRUCTION**



<b>CONDUCTOR</b>	Tinned copper conductors to BS EN 60228 class 2 or 5
<b>INSULATION</b>	Mica Glass Tape EPR Type GP4 to BS 7655 90 Deg C
<b>COLOUR CODE</b>	Pairs Black, White , Triples Black,White,Red, Quads Black,White,Red,Blue Cores numbered
<b>INDIVIDUAL SCREEN</b>	24µm aluminium / PETP tape over 7-stranded tinned copper drain wire, 0.5mm <sup>2</sup>
<b>INNER SHEATH</b>	SW4 to BS 7655 section 2.6
<b>ARMOURING</b>	Galvanised steel wire braid BS EN 10257-1
<b>OUTER SHEATH</b>	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
22	29	40	65
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%  
 Fire resiantant BS 7917  
 Oil Resistant to BS 7655-2.6 (7x24h, 100°C)

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Geometrical Data is approximate and final dimensions will be confirmed at time of order.									
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
<b>0.75mm<sup>2</sup> (Class 5)</b>									
1	0.8	1	8.9	0.3	1.2	12.8	236	GPF00	GMF00
2	0.8	1.1	13.1	0.3	1.3	17.6	356		
3	0.8	1.2	15	0.3	1.4	19.3	493	GPH00	GMH00
5	0.8	1.3	16.8	0.3	1.5	23.2	710		
7	0.8	1.4	20.4	0.3	1.6	25.1	813	GPJ00	GMJ00
10	0.8	1.5	23.7	0.3	1.7	28.6	1100		
12	0.8	1.6	26.5	0.3	1.8	31.6	1234	GPK00	GMK00
19	0.8	1.8	32	0.45	1.9	38.7	1890		
20	0.8	1.9	33.9	0.45	2.1	40.4	2040	GPL00	GML00
<b>1.0mm<sup>2</sup></b>									
1	0.8	1	9.3	0.3	1.2	13.2	252	GPF01	GMF01
2	0.8	1.1	14.1	0.3	1.3	18.1	445		
3	0.8	1.3	16	0.3	1.4	20.3	548	GPH01	GMH01
5	0.8	1.3	19.1	0.3	1.5	24.3	720		
7	0.8	1.4	21.5	0.3	1.6	26.2	896	GPJ01	GMJ01
10	0.8	1.5	25.6	0.3	1.7	32.2	1345		
12	0.8	1.7	28.1	0.45	1.9	34.2	1533	GPK01	GMK01
19	0.8	1.8	32.2	0.45	2	39.8	2010		
20	0.8	1.9	35.7	0.45	2.2	42.4	2282	GPL01	GML01
<b>1.5mm<sup>2</sup></b>									
1	0.8	1.1	9.7	0.3	1.4	14	287	GPF02	GMF02
2	0.8	1.2	13.7	0.3	1.5	18.7	523		
3	0.8	1.4	16.9	0.3	1.6	21.6	638	GPH02	GMH02
5	0.8	1.4	19.2	0.3	1.8	25.1	880		
7	0.8	1.5	22.7	0.3	1.7	27.6	1035	GPJ02	GMJ02
10	0.8	1.6	26.7	0.45	1.8	33.2	1567		
12	0.8	1.7	29.4	0.45	1.9	35.5	1721	GPK02	GMK02
19	0.8	1.9	35.7	0.45	2	42.3	2456		
20	0.8	2	37.6	0.45	2.2	44.3	2609	GPL02	GHL02

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	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)	Grey	Blue
<b>2.5mm2 (Class 5)</b>									
1	0.8	1.1	10.9	0.3	1.4	15.2	343	GPF03	GMF03
2	0.8	1.2	17.5	0.3	1.5	22	601		
3	0.8	1.3	20	0.3	1.6	25.6	890	GPH03	GMH03
5	0.8	1.4	23.2	0.3	1.7	28.1	1047		
7	0.8	1.5	28.7	0.3	1.8	34.5	1768	GPJ03	GMJ03
10	0.8	1.7	31.6	0.45	1.9	37.7	1926		
12	0.8	1.8	36.7	0.45	2	43.5	2212	GPK03	GMK03
19	0.8	1.9	40.1	0.45	2	46.7	3001		
20	0.8	2	42.3	0.45	2.1	48.8	3257	GPL03	GML03

RT = Radial Thickness

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	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)	Grey	Blue
<b>0.75mm<sup>2</sup> (Class 5)</b>									
1	0.8	1.1	9.6	0.3	1.2	13.5	265	GPR00	GMR00
2	0.8	1.1	14.2	0.3	1.4	18.9	523		
3	0.8	1.3	16.7	0.3	1.5	21.2	626	GPS00	GMS00
5	0.8	1.4	21.3	0.3	1.6	26.5	910		
7	0.8	1.5	23.7	0.3	1.7	28.6	1096	GPT00	GMT00
10	0.8	1.6	28	0.3	1.8	32.3	1545		
12	0.8	1.7	30.2	0.45	2	36.5	1733	GPU00	GMU00
<b>1.0mm<sup>2</sup></b>									
1	0.8	1.1	10.1	0.3	1.2	14	287	GPR01	GMR01
2	0.8	1.2	14.7	0.3	1.3	20.1	523		
3	0.8	1.3	17.6	0.3	1.5	22.1	683	GPS01	GMS01
5	0.8	1.4	22.3	0.3	1.6	27.5	1102		
7	0.8	1.5	24.9	0.3	1.7	29.8	1206	GPT01	GMT01
10	0.8	1.6	28.7	0.45	1.8	34.5	1767		
12	0.8	1.8	32	0.45	2	38.3	1949	GPU01	GMU01
<b>1.5mm<sup>2</sup></b>									
1	0.8	1.1	10.5	0.3	1.4	14.8	328	GPR02	GMR02
2	0.8	1.2	15.7	0.3	1.4	19.9	610		
3	0.8	1.3	18.4	0.3	1.5	22.9	763	GPS02	GMS02
5	0.8	1.4	23.4	0.3	1.6	27.8	1190		
7	0.8	1.5	26.1	0.3	1.7	31	1376	GPT02	GMT02
10	0.8	1.6	29.8	0.45	1.9	36.8	2010		
12	0.8	1.8	33.6	0.45	2	39.9	2220	GPU02	GMU02

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	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)	Grey	Blue
<b>2.5mm<sup>2</sup> (Class 2)</b>									
1	0.8	1.2	9.9	0.3	1.4	16	314	GPR03	GMR03
2	0.8	1.3	17	0.3	1.4	22.1	580		
3	0.8	1.3	19	0.3	1.5	23.4	699	GPS03	GMS03
5	0.8	1.4	23.2	0.3	1.6	27.9	1043		
7	0.8	1.4	25.3	0.3	1.7	30.2	1290	GPT03	GMT03
10	0.8	1.5	31.2	0.45	1.8	37.1	1888		
12	0.8	1.5	32.7	0.45	1.8	38.8	2113	GPU03	GMU03
19	0.8	1.7	40.7	0.45	2	47	3075		
20	0.8	1.7	42	0.45	2	49.2	3199	GPL03	GML03