

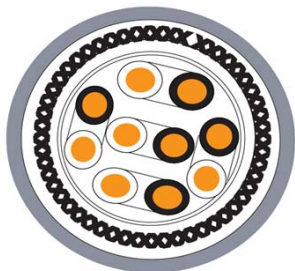
BS 7917:1999 150/250Volt Fire Resistant

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	Mica Glass Tape 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
Conductor Size mm ²	25	18.5	12.3	7.4
Conductor resistance Ohm/Km Max Class 2	27.2	20.4	14.2	9.2
Conductor resistance Ohm/Km Max Class 5	5	5	5	5
Insulation Resistance Min G ohmxKm				
Mutual Capacitance Max nF/Km				
Single Pair/Triple/Quad	104	115	128	150
up to & Inc 4 pair/triple/Quad	88	96	105	125
above 4 pair/triple/Quad	88	96	105	125
Inductance Max mH/Km	1	1	1	1
L/R ratio Max uH/ohm	22	29	40	65
Test Voltage Kv				
Core to Core	1.5	1.5	1.5	1.5
Core to screen	0.3	0.3	0.3	0.3
Operating Voltage Kv	.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 resiatant BS 7917
 Oil Resistant to BS 7655-2.6 (7x24h, 100°C)

BS 7917:1999 150/250Volt Fire Resistant

Single and Multi Pair/Triple/Quad Collective Screen

Geometrical Data is approximate and final dimensions will be confirmed at time of order.									
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	0.8mm	1.1	9.6	0.3	1.2	13.5	265	GNR00	GLR00
2 (Quad)	0.8mm	1.2	14.5	0.3	1.4	18.5	456		
3	0.8mm	1.3	16.5	0.3	1.4	20.8	551	GNS00	GLS00
5	0.8mm	1.3	19.8	0.3	1.5	24.8	790		
7	0.8mm	1.4	22.9	0.3	1.6	27.6	943	GNT00	GLT00
10	0.8mm	1.6	27.8	0.45	1.8	33.4	1450		
12	0.8mm	1.7	29.5	0.45	1.9	35.6	1602	GNU00	GLU00
1.0mm2 (Class 5)									
1	0.8mm	1.1	10.1	0.3	1.2	14	287	GNR01	GLR01
2 (Quad)	0.8mm	1.2	15.6	0.3	1.4	19.8	535		
3	0.8mm	1.3	17.3	0.3	1.5	21.8	616	GNS01	GLLS01
5	0.8mm	1.4	22.3	0.3	1.6	27.6	890		
7	0.8mm	1.5	24.3	0.3	1.7	29.2	1084	GNT01	GLT01
10	0.8mm	1.6	29.3	0.3	1.9	35.6	1690		
12	0.8mm	1.7	31	0.45	2	37.3	1800	GNU01	GLU01
1.5mm2 (Class 5)									
1	0.8mm	1.1	10.5	0.3	1.4	14.8	328	GNR02	GLR02
2 (Quad)	0.8mm	1.2	16.5	0.3	1.5	20.1	650		
3	0.8mm	1.4	18.3	0.3	1.5	22.8	702	GNS02	GLS02
5	0.8mm	1.5	22.7	0.3	1.7	28.7	1212		
7	0.8mm	1.6	25.7	0.45	1.8	31.6	1393	GNT02	GLT02
10	0.8mm	1.7	29.6	0.45	1.9	37.6	1878		
12	0.8mm	1.8	32.8	0.45	2	39.1	2089	GNU02	GLU02

BS 7917:1999 150/250Volt **Fire Resistant**

Single and Multi Pair/Triple/Quad Collective Screen

Geometrical Data is approximate and final dimensions will be confirmed at time of order.									
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
2.5mm² (Class 2)									
1	0.8	1.2	11.1	0.3	1.4	15.4	356	GNR03	GLR03
2	0.8	1.2	12.9	0.3	1.4	17.2	466		
3	0.8	1.3	18.3	0.3	1.5	22.8	691	GNS03	GLS03
5	0.8	1.4	22.5	0.3	1.6	27.2	974		
7	0.8	1.4	24.6	0.3	1.7	29.5	1199	GNT03	GLT03
10	0.8	1.5	30.2	0.45	1.8	36.1	1754		
12	0.8	1.5	31.7	0.45	1.8	32.6	1958	GNU03	GLU03
19	0.8	1.8	39.6	0.45	2	45.9	2860		
20	0.8	1.8	40.6	0.45	2.1	48	2974		