

BS 7917 I&O SCREEN PAIRS NO ARMoured

Cable Standard	Instrument Cable BS 7917
Voltage	150/250V
Description	Tinned Copper, Multi Pair, Mica, EPR- Insulation, Individual & Collective Screen, SW4 Sheath
Cable type	BS 7917

Electrical data a 20°C

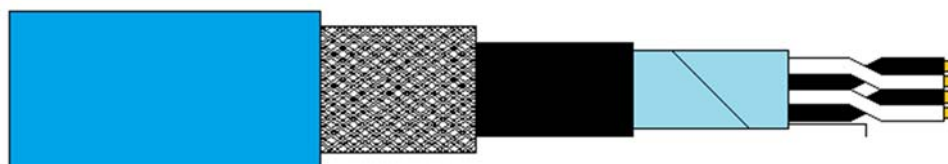
Conductor size	Nom	mm ²	0,75	1	1,5	2,5
Conductor resistance stranded / Class 2 flexible / Class 5 and additional 2% of the maximum resistance has been allowed for cable of multipair construction	Max	Ω/km				
			24,8	18,2	12,2	7,56
			26,7	20	13,7	8,21
Insulation resistance Individual conductor Individual screen	Min.	MΩxkm				
			2400			
			1			
Mutual capacitance 1kHz All cables	Max.	nF/km				
			250			
L/R Ratio	Max.	μH/Ω	25	40	60	
Test voltage Ums core: core Ums core: screen		V				
			1500			
			1500			

Properties for cable

Code Colour	Black & White numbered cores
Fire Resistant	IEC 60331
Flame Retardant	IEC 60332-3-22
Low Smoke Emission	IEC 61034-1-2 > 60%
Other Properties	
Minimum Bending Radius	8 X O.D.

Properties for outer sheath

Limiting Oxygen Index	LOI>30%
Amount of halogen acid gas	IEC 60754-1 HCl<0.1%
Oil Resistance	BS 7655-2.6 (168h, 100°C)
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-15°C/50°C
Temperature Operating	-40°C/50°C



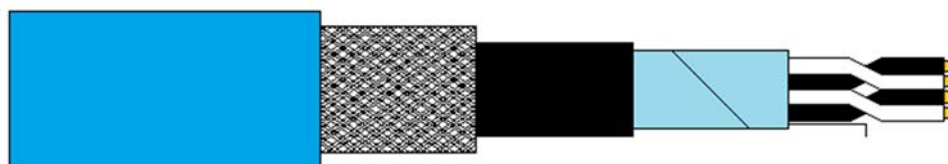
Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	0.75mm ² /24	0,8	-	-	-	1,1	13,92	180	B7917/6K-2P075-630
3	0.75mm ² /24	0,8	-	-	-	1,2	15,06	232	B7917/6K-3P075-630
5	0.75mm ² /24	0,8	-	-	-	1,3	18,46	348	B7917/6K-5P075-630
7	0.75mm ² /24	0,8	-	-	-	1,4	20,34	455	B7917/6K-7P075-630
10	0.75mm ² /24	0,8	-	-	-	1,6	25,10	645	B7917/6K-10P075-630
12	0.75mm ² /24	0,8	-	-	-	1,6	26,28	738	B7917/6K-12P075-630
19	0.75mm ² /24	0,8	-	-	-	1,8	32,56	1119	B7917/6K-19P075-630
20	0.75mm ² /24	0,8	-	-	-	1,9	33,50	1208	B7917/6K-20P075-630

2	0.75mm ² /7	0,8	-	-	-	1,1	13,92	178	B7917/6K-2P075-530
3	0.75mm ² /7	0,8	-	-	-	1,2	15,06	234	B7917/6K-3P075-530
5	0.75mm ² /7	0,8	-	-	-	1,3	18,46	352	B7917/6K-5P075-530
7	0.75mm ² /7	0,8	-	-	-	1,4	20,34	460	B7917/6K-7P075-530
10	0.75mm ² /7	0,8	-	-	-	1,6	25,10	652	B7917/6K-10P075-530
12	0.75mm ² /7	0,8	-	-	-	1,6	26,28	746	B7917/6K-12P075-530
19	0.75mm ² /7	0,8	-	-	-	1,8	32,56	1132	B7917/6K-19P075-530
20	0.75mm ² /7	0,8	-	-	-	1,9	33,50	1222	B7917/6K-20P075-530

2	1mm ² /32	0,8	-	-	-	1,2	14,80	203	B7917/6K-2P1-630
3	1mm ² /32	0,8	-	-	-	1,3	15,99	266	B7917/6K-3P1-630
5	1mm ² /32	0,8	-	-	-	1,3	19,38	388	B7917/6K-5P1-630
7	1mm ² /32	0,8	-	-	-	1,4	21,36	509	B7917/6K-7P1-630
10	1mm ² /32	0,8	-	-	-	1,6	26,38	722	B7917/6K-10P1-630
12	1mm ² /32	0,8	-	-	-	1,7	27,83	845	B7917/6K-12P1-630
19	1mm ² /32	0,8	-	-	-	1,9	34,46	1280	B7917/6K-19P1-630
20	1mm ² /32	0,8	-	-	-	1,9	35,24	1336	B7917/6K-20P1-630

2	1mm ² /7	0,8	-	-	-	1,2	14,80	205	B7917/6K-2P1-530
3	1mm ² /7	0,8	-	-	-	1,3	15,99	269	B7917/6K-3P1-530
5	1mm ² /7	0,8	-	-	-	1,3	19,38	393	B7917/6K-5P1-530
7	1mm ² /7	0,8	-	-	-	1,4	21,36	516	B7917/6K-7P1-530
10	1mm ² /7	0,8	-	-	-	1,6	26,38	732	B7917/6K-10P1-530
12	1mm ² /7	0,8	-	-	-	1,7	27,83	857	B7917/6K-12P1-530
19	1mm ² /7	0,8	-	-	-	1,9	34,46	1321	B7917/6K-19P1-530
20	1mm ² /7	0,8	-	-	-	1,9	35,24	1357	B7917/6K-20P1-530



Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	1.50mm ² /30	0,8	-	-	-	1,3	16,02	238	B7917/6K-2P1.5-630
3	1.50mm ² /30	0,8	-	-	-	1,3	17,09	302	B7917/6K-3P1.5-630
5	1.50mm ² /30	0,8	-	-	-	1,4	20,96	456	B7917/6K-5P1.5-630
7	1.50mm ² /30	0,8	-	-	-	1,5	23,09	598	B7917/6K-7P1.5-630
10	1.50mm ² /30	0,8	-	-	-	1,7	28,50	846	B7917/6K-10P1.5-630
12	1.50mm ² /30	0,8	-	-	-	1,7	29,86	972	B7917/6K-12P1.5-630
19	1.50mm ² /30	0,8	-	-	-	1,9	37,01	1478	B7917/6K-19P1.5-630
20	1.50mm ² /30	0,8	-	-	-	2,0	38,06	1566	B7917/6K-20P1.5-630

2	1.50mm ² /7	0,8	-	-	-	1,3	16,02	245	B7917/6K-2P1.5-530
3	1.50mm ² /7	0,8	-	-	-	1,3	17,09	311	B7917/6K-3P1.5-530
5	1.50mm ² /7	0,8	-	-	-	1,4	20,96	472	B7917/6K-5P1.5-530
7	1.50mm ² /7	0,8	-	-	-	1,5	23,09	620	B7917/6K-7P1.5-530
10	1.50mm ² /7	0,8	-	-	-	1,7	28,50	878	B7917/6K-10P1.5-530
12	1.50mm ² /7	0,8	-	-	-	1,7	29,86	1010	B7917/6K-12P1.5-530
19	1.50mm ² /7	0,8	-	-	-	1,9	37,01	1538	B7917/6K-19P1.5-530
20	1.50mm ² /7	0,8	-	-	-	2,0	38,06	1629	B7917/6K-20P1.5-530

2	2.50mm ² /50	0,8	-	-	-	1,3	17,72	296	B7917/6K-2P2.5-630
3	2.50mm ² /50	0,8	-	-	-	1,3	18,91	382	B7917/6K-3P2.5-630
5	2.50mm ² /50	0,8	-	-	-	1,5	23,46	600	B7917/6K-5P2.5-630
7	2.50mm ² /50	0,8	-	-	-	1,6	25,84	791	B7917/6K-7P2.5-630
10	2.50mm ² /50	0,8	-	-	-	1,8	31,90	1118	B7917/6K-10P2.5-630
12	2.50mm ² /50	0,8	-	-	-	1,9	33,63	1311	B7917/6K-12P2.5-630
19	2.50mm ² /50	0,8	-	-	-	2,1	41,66	1994	B7917/6K-19P2.5-630
20	2.50mm ² /50	0,8	-	-	-	2,2	42,82	2109	B7917/6K-20P2.5-630

2	2.50mm ² /7	0,8	-	-	-	1,3	17,72	306	B7917/6K-2P2.5-530
3	2.50mm ² /7	0,8	-	-	-	1,3	18,91	394	B7917/6K-3P2.5-530
5	2.50mm ² /7	0,8	-	-	-	1,5	23,46	618	B7917/6K-5P2.5-530
7	2.50mm ² /7	0,8	-	-	-	1,6	25,84	817	B7917/6K-7P2.5-530
10	2.50mm ² /7	0,8	-	-	-	1,8	31,90	1156	B7917/6K-10P2.5-530
12	2.50mm ² /7	0,8	-	-	-	1,9	33,63	1356	B7917/6K-12P2.5-530
19	2.50mm ² /7	0,8	-	-	-	2,1	41,66	2065	B7917/6K-19P2.5-530
20	2.50mm ² /7	0,8	-	-	-	2,2	42,82	2183	B7917/6K-20P2.5-530