

BS 7917 I&O SCREEN TRIPLES NO ARMOURED

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

Electrical data a 20°C

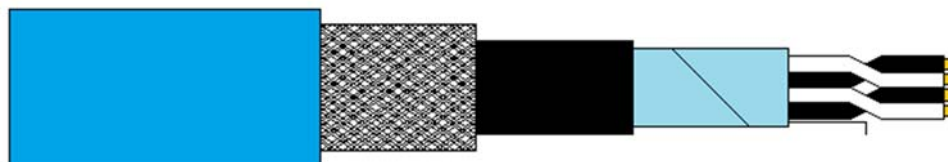
Conductor size	Nom	mm ²	0,75	1	1,5	2,5
Conductor resistance stranded / Class 2 flexible / Class 5 and additional 2% of the maximum resistance has been allowed for cable of multipair construction	Max	Ω/km				
			24,8	18,2	12,2	7,56
			26,7	20	13,7	8,21
Insulation resistance Individual conductor Individual 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 & Red 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



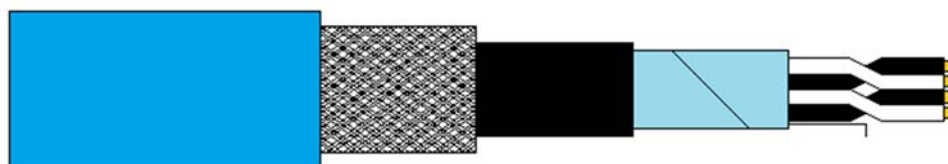
Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	0.75mm ² /24	0,8	-	-	-	1,2	14,93	222	B7917/6K-2T075-630
3	0.75mm ² /24	0,8	-	-	-	1,3	16,73	300	B7917/6K-3T075-630
5	0.75mm ² /24	0,8	-	-	-	1,4	20,62	455	B7917/6K-5T075-630
7	0.75mm ² /24	0,8	-	-	-	1,5	23,50	606	B7917/6K-7T075-630
10	0.75mm ² /24	0,8	-	-	-	1,7	28,91	856	B7917/6K-10T075-630
12	0.75mm ² /24	0,8	-	-	-	1,7	29,89	979	B7917/6K-12T075-630
19	0.75mm ² /24	0,8	-	-	-	1,9	37,05	1489	B7917/6K-19T075-630
20	0.75mm ² /24	0,8	-	-	-	2,0	38,09	1578	B7917/6K-20T075-630

2	0.75mm ² /7	0,8	-	-	-	1,2	14,93	225	B7917/6K-2T075-530
3	0.75mm ² /7	0,8	-	-	-	1,3	16,73	303	B7917/6K-3T075-530
5	0.75mm ² /7	0,8	-	-	-	1,4	20,62	460	B7917/6K-5T075-530
7	0.75mm ² /7	0,8	-	-	-	1,5	23,50	613	B7917/6K-7T075-530
10	0.75mm ² /7	0,8	-	-	-	1,7	28,91	866	B7917/6K-10T075-530
12	0.75mm ² /7	0,8	-	-	-	1,7	29,89	991	B7917/6K-12T075-530
19	0.75mm ² /7	0,8	-	-	-	1,9	37,05	1508	B7917/6K-19T075-530
20	0.75mm ² /7	0,8	-	-	-	2,0	38,09	1597	B7917/6K-20T075-530

2	1mm ² /32	0,8	-	-	-	1,2	15,66	248	B7917/6K-2T1-630
3	1mm ² /32	0,8	-	-	-	1,3	17,55	336	B7917/6K-3T1-630
5	1mm ² /32	0,8	-	-	-	1,4	21,66	513	B7917/6K-5T1-630
7	1mm ² /32	0,8	-	-	-	1,5	24,70	684	B7917/6K-7T1-630
10	1mm ² /32	0,8	-	-	-	1,7	30,41	968	B7917/6K-10T1-630
12	1mm ² /32	0,8	-	-	-	1,8	31,64	1129	B7917/6K-12T1-630
19	1mm ² /32	0,8	-	-	-	2,0	39,22	1717	B7917/6K-19T1-630
20	1mm ² /32	0,8	-	-	-	2,0	40,10	1794	B7917/6K-20T1-630

2	1mm ² /7	0,8	-	-	-	1,2	15,66	251	B7917/6K-2T1-530
3	1mm ² /7	0,8	-	-	-	1,3	17,55	340	B7917/6K-3T1-530
5	1mm ² /7	0,8	-	-	-	1,4	21,66	520	B7917/6K-5T1-530
7	1mm ² /7	0,8	-	-	-	1,5	24,70	695	B7917/6K-7T1-530
10	1mm ² /7	0,8	-	-	-	1,7	30,41	983	B7917/6K-10T1-530
12	1mm ² /7	0,8	-	-	-	1,8	31,64	1148	B7917/6K-12T1-530
19	1mm ² /7	0,8	-	-	-	2,0	39,22	1746	B7917/6K-19T1-530
20	1mm ² /7	0,8	-	-	-	2,0	40,10	1825	B7917/6K-20T1-530



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	16,95	293	B7917/6K-2T1.5-630
3	1.50mm ² /30	0,8	-	-	-	1,3	18,78	386	B7917/6K-3T1.5-630
5	1.50mm ² /30	0,8	-	-	-	1,5	23,42	606	B7917/6K-5T1.5-630
7	1.50mm ² /30	0,8	-	-	-	1,6	26,70	810	B7917/6K-7T1.5-630
10	1.50mm ² /30	0,8	-	-	-	1,8	32,86	1144	B7917/6K-10T1.5-630
12	1.50mm ² /30	0,8	-	-	-	1,8	33,98	1314	B7917/6K-12T1.5-630
19	1.50mm ² /30	0,8	-	-	-	2,1	42,36	2030	B7917/6K-19T1.5-630
20	1.50mm ² /30	0,8	-	-	-	2,1	43,32	2122	B7917/6K-20T1.5-630

2	1.50mm ² /7	0,8	-	-	-	1,3	16,95	302	B7917/6K-2T1.5-530
3	1.50mm ² /7	0,8	-	-	-	1,3	18,78	400	B7917/6K-3T1.5-530
5	1.50mm ² /7	0,8	-	-	-	1,5	23,42	630	B7917/6K-5T1.5-530
7	1.50mm ² /7	0,8	-	-	-	1,6	26,70	843	B7917/6K-7T1.5-530
10	1.50mm ² /7	0,8	-	-	-	1,8	32,86	1191	B7917/6K-10T1.5-530
12	1.50mm ² /7	0,8	-	-	-	1,8	33,98	1371	B7917/6K-12T1.5-530
19	1.50mm ² /7	0,8	-	-	-	2,1	42,36	2121	B7917/6K-19T1.5-530
20	1.50mm ² /7	0,8	-	-	-	2,1	43,32	2217	B7917/6K-20T1.5-530

2	2.50mm ² /50	0,8	-	-	-	1,3	18,78	373	B7917/6K-2T2.5-630
3	2.50mm ² /50	0,8	-	-	-	1,4	21,03	513	B7917/6K-3T2.5-630
5	2.50mm ² /50	0,8	-	-	-	1,6	26,22	810	B7917/6K-5T2.5-630
7	2.50mm ² /50	0,8	-	-	-	1,7	29,90	1086	B7917/6K-7T2.5-630
10	2.50mm ² /50	0,8	-	-	-	1,9	36,81	1535	B7917/6K-10T2.5-630
12	2.50mm ² /50	0,8	-	-	-	2,0	38,28	1796	B7917/6K-12T2.5-630
19	2.50mm ² /50	0,8	-	-	-	2,2	47,46	2744	B7917/6K-19T2.5-630
20	2.50mm ² /50	0,8	-	-	-	2,2	48,55	2870	B7917/6K-20T2.5-630

2	2.50mm ² /7	0,8	-	-	-	1,3	18,78	385	B7917/6K-2T2.5-530
3	2.50mm ² /7	0,8	-	-	-	1,4	21,03	530	B7917/6K-3T2.5-530
5	2.50mm ² /7	0,8	-	-	-	1,6	26,22	838	B7917/6K-5T2.5-530
7	2.50mm ² /7	0,8	-	-	-	1,7	29,90	1126	B7917/6K-7T2.5-530
10	2.50mm ² /7	0,8	-	-	-	1,9	36,81	1591	B7917/6K-10T2.5-530
12	2.50mm ² /7	0,8	-	-	-	2,0	38,28	1864	B7917/6K-12T2.5-530
19	2.50mm ² /7	0,8	-	-	-	2,2	47,46	2851	B7917/6K-19T2.5-530
20	2.50mm ² /7	0,8	-	-	-	2,2	48,55	2983	B7917/6K-20T2.5-530