

BS 7917 O SCREEN PAIRS NO ARMOURED

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

Electrical data a 20°C

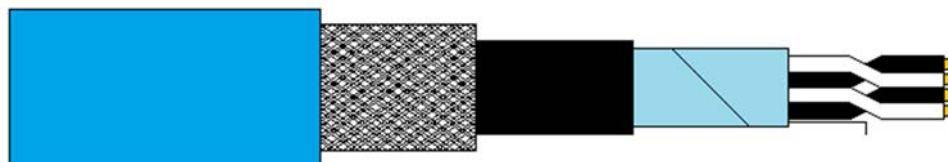
Conductor size	Nom	mm ²	0,75	1	1,5	2,5
Conductor resistance stranded / Class 2 flexible / Class 5 and additional 2% of the maximum resistance has been allowed for cable of multipair construction	Max	Ω/km				
			24,8	18,2	12,2	7,56
			26,7	20	13,7	8,21
Insulation resistance	Min.	MΩxkm				
Individual conductor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



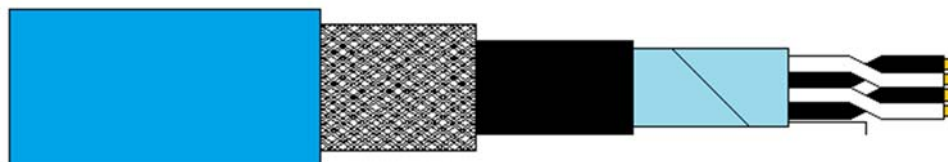
Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

1	0.75mm ² /24	0,8	-	-	-	1,0	8,70	107	B7917/6K-1P075-610
2	0.75mm ² /24	0,8	-	-	-	1,1	13,55	158	B7917/6K-2P075-610
3	0.75mm ² /24	0,8	-	-	-	1,2	14,66	205	B7917/6K-3P075-610
5	0.75mm ² /24	0,8	-	-	-	1,3	17,95	304	B7917/6K-5P075-610
7	0.75mm ² /24	0,8	-	-	-	1,4	19,78	395	B7917/6K-7P075-610
10	0.75mm ² /24	0,8	-	-	-	1,6	24,40	559	B7917/6K-10P075-610
12	0.75mm ² /24	0,8	-	-	-	1,6	25,54	635	B7917/6K-12P075-610
19	0.75mm ² /24	0,8	-	-	-	1,8	31,63	958	B7917/6K-19P075-610
20	0.75mm ² /24	0,8	-	-	-	1,8	32,34	998	B7917/6K-20P075-610

1	0.75mm ² /7	0,8	-	-	-	1,0	8,70	107	B7917/6K-1P075-510
2	0.75mm ² /7	0,8	-	-	-	1,1	13,55	159	B7917/6K-2P075-510
3	0.75mm ² /7	0,8	-	-	-	1,2	14,66	207	B7917/6K-3P075-510
5	0.75mm ² /7	0,8	-	-	-	1,3	17,95	308	B7917/6K-5P075-510
7	0.75mm ² /7	0,8	-	-	-	1,4	19,78	399	B7917/6K-7P075-510
10	0.75mm ² /7	0,8	-	-	-	1,6	24,40	565	B7917/6K-10P075-510
12	0.75mm ² /7	0,8	-	-	-	1,6	25,54	643	B7917/6K-12P075-510
19	0.75mm ² /7	0,8	-	-	-	1,8	31,63	970	B7917/6K-19P075-510
20	0.75mm ² /7	0,8	-	-	-	1,8	32,34	1011	B7917/6K-20P075-510

1	1mm ² /32	0,8	-	-	-	1,0	9,10	119	B7917/6K-1P1-610
2	1mm ² /32	0,8	-	-	-	1,2	14,43	184	B7917/6K-2P1-610
3	1mm ² /32	0,8	-	-	-	1,2	15,39	230	B7917/6K-3P1-610
5	1mm ² /32	0,8	-	-	-	1,3	18,87	344	B7917/6K-5P1-610
7	1mm ² /32	0,8	-	-	-	1,4	20,80	448	B7917/6K-7P1-610
10	1mm ² /32	0,8	-	-	-	1,6	25,68	635	B7917/6K-10P1-610
12	1mm ² /32	0,8	-	-	-	1,6	26,89	725	B7917/6K-12P1-610
19	1mm ² /32	0,8	-	-	-	1,8	33,33	1098	B7917/6K-19P1-610
20	1mm ² /32	0,8	-	-	-	1,8	34,08	1145	B7917/6K-20P1-610

1	1mm ² /7	0,8	-	-	-	1,0	9,10	120	B7917/6K-1P1-510
2	1mm ² /7	0,8	-	-	-	1,2	14,43	186	B7917/6K-2P1-510
3	1mm ² /7	0,8	-	-	-	1,2	15,39	233	B7917/6K-3P1-510
5	1mm ² /7	0,8	-	-	-	1,3	18,87	349	B7917/6K-5P1-510
7	1mm ² /7	0,8	-	-	-	1,4	20,80	456	B7917/6K-7P1-510
10	1mm ² /7	0,8	-	-	-	1,6	25,68	646	B7917/6K-10P1-510
12	1mm ² /7	0,8	-	-	-	1,6	26,89	738	B7917/6K-12P1-510
19	1mm ² /7	0,8	-	-	-	1,8	33,33	1117	B7917/6K-19P1-510
20	1mm ² /7	0,8	-	-	-	1,8	34,08	1187	B7917/6K-20P1-510



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	

1	1.50mm ² /30	0,8	-	-	-	1,0	9,70	137	B7917/6K-1P1.5-610
2	1.50mm ² /30	0,8	-	-	-	1,2	15,45	210	B7917/6K-2P1.5-610
3	1.50mm ² /30	0,8	-	-	-	1,2	16,49	265	B7917/6K-3P1.5-610
5	1.50mm ² /30	0,8	-	-	-	1,4	20,45	412	B7917/6K-5P1.5-610
7	1.50mm ² /30	0,8	-	-	-	1,5	22,53	537	B7917/6K-7P1.5-610
10	1.50mm ² /30	0,8	-	-	-	1,7	27,80	759	B7917/6K-10P1.5-610
12	1.50mm ² /30	0,8	-	-	-	1,7	29,11	869	B7917/6K-12P1.5-610
19	1.50mm ² /30	0,8	-	-	-	1,9	36,08	1316	B7917/6K-19P1.5-610
20	1.50mm ² /30	0,8	-	-	-	1,9	36,90	1373	B7917/6K-20P1.5-610

1	1.50mm ² /7	0,8	-	-	-	1,0	9,70	140	B7917/6K-1P1.5-510
2	1.50mm ² /7	0,8	-	-	-	1,2	15,45	216	B7917/6K-2P1.5-510
3	1.50mm ² /7	0,8	-	-	-	1,2	16,49	274	B7917/6K-3P1.5-510
5	1.50mm ² /7	0,8	-	-	-	1,4	20,45	427	B7917/6K-5P1.5-510
7	1.50mm ² /7	0,8	-	-	-	1,5	22,53	559	B7917/6K-7P1.5-510
10	1.50mm ² /7	0,8	-	-	-	1,7	27,80	791	B7917/6K-10P1.5-510
12	1.50mm ² /7	0,8	-	-	-	1,7	29,11	907	B7917/6K-12P1.5-510
19	1.50mm ² /7	0,8	-	-	-	1,9	36,08	1376	B7917/6K-19P1.5-510
20	1.50mm ² /7	0,8	-	-	-	1,9	36,90	1436	B7917/6K-20P1.5-510

1	2.50mm ² /50	0,8	-	-	-	1,0	10,70	174	B7917/6K-1P2.5-610
2	2.50mm ² /50	0,8	-	-	-	1,2	17,15	267	B7917/6K-2P2.5-610
3	2.50mm ² /50	0,8	-	-	-	1,2	18,31	344	B7917/6K-3P2.5-610
5	2.50mm ² /50	0,8	-	-	-	1,5	22,95	555	B7917/6K-5P2.5-610
7	2.50mm ² /50	0,8	-	-	-	1,6	25,28	730	B7917/6K-7P2.5-610
10	2.50mm ² /50	0,8	-	-	-	1,8	31,20	1031	B7917/6K-10P2.5-610
12	2.50mm ² /50	0,8	-	-	-	1,8	32,69	1187	B7917/6K-12P2.5-610
19	2.50mm ² /50	0,8	-	-	-	2,0	40,53	1806	B7917/6K-19P2.5-610
20	2.50mm ² /50	0,8	-	-	-	2,1	41,66	1912	B7917/6K-20P2.5-610

1	2.50mm ² /7	0,8	-	-	-	1,0	10,70	178	B7917/6K-1P2.5-510
2	2.50mm ² /7	0,8	-	-	-	1,2	17,15	274	B7917/6K-2P2.5-510
3	2.50mm ² /7	0,8	-	-	-	1,2	18,31	356	B7917/6K-3P2.5-510
5	2.50mm ² /7	0,8	-	-	-	1,5	22,95	574	B7917/6K-5P2.5-510
7	2.50mm ² /7	0,8	-	-	-	1,6	25,28	756	B7917/6K-7P2.5-510
10	2.50mm ² /7	0,8	-	-	-	1,8	31,20	1069	B7917/6K-10P2.5-510
12	2.50mm ² /7	0,8	-	-	-	1,8	32,69	1232	B7917/6K-12P2.5-510
19	2.50mm ² /7	0,8	-	-	-	2,0	40,53	1878	B7917/6K-19P2.5-510
20	2.50mm ² /7	0,8	-	-	-	2,1	41,66	1988	B7917/6K-20P2.5-510