

BS 7917 MULTICORES UNARMOURED

Cable Standard	Instrument Cable BS 7917
Voltage	600/1000V
Description	Tinned Copper, Single & Multi Core, Mica, EPR- Insulation, SW4 Sheath
Cable type	BS 7917

Electrical data a 20°C

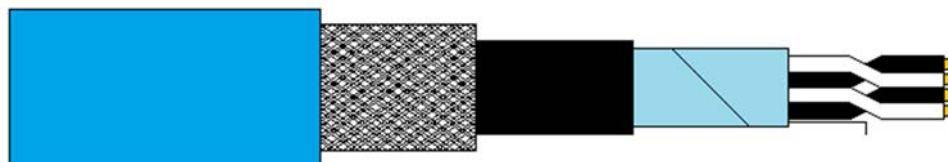
Conductor size	Nom	mm ²	1	1,5	2,5	4	6	10	16
Conductor resistance stranded / Class 2 flexible / Class 5	Max	Ω/km	18,2	12,2	7,56	4,70	3,11	1,84	1,16
			20	13,7	8,21	4,95	3,36	1,95	1,24
Insulation resistance	Min.	MΩxkm							
Individual conductor			2400						
Test voltage		V							
Ums core: core			3500						

Properties for cable

Code Colour	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	≤10 mm: 3 X O.D., >10 mm ≤ 25 mm: 4 X O.D. , > 25 mm: 6 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

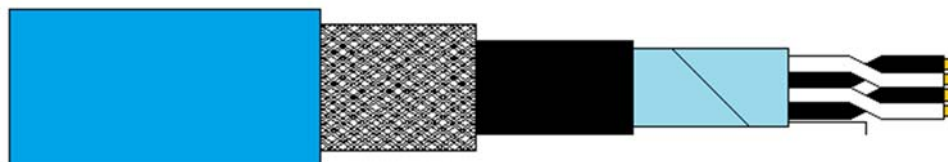


Nº Cores	Cores	RT Insulation Nominal	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm²/uds	mm	mm	mm	mm	mm	mm	kgr/km	

1	1mm²/32	0,8	-	-	-	1,0	5,50	43	B7917/7K-1C1-600
2	1mm²/32	0,8	-	-	-	1,0	8,90	110	B7917/7K-2C1-600
3	1mm²/32	0,8	-	-	-	1,1	9,61	131	B7917/7K-3C1-600
4	1mm²/32	0,8	-	-	-	1,1	10,49	158	B7917/7K-4C1-600
5	1mm²/32	0,8	-	-	-	1,1	11,48	190	B7917/7K-5C1-600
7	1mm²/32	0,8	-	-	-	1,1	12,50	230	B7917/7K-7C1-600
12	1mm²/32	0,8	-	-	-	1,2	16,64	406	B7917/7K-12C1-600
19	1mm²/32	0,8	-	-	-	1,4	20,68	629	B7917/7K-19C1-600
27	1mm²/32	0,8	-	-	-	1,5	24,32	873	B7917/7K-27C1-600
37	1mm²/32	0,8	-	-	-	1,6	28,12	1171	B7917/7K-37C1-600

1	1mm²/7	0,8	-	-	-	1,0	5,50	43	B7917/7K-1C1-500
2	1mm²/7	0,8	-	-	-	1,0	8,90	112	B7917/7K-2C1-500
3	1mm²/7	0,8	-	-	-	1,1	9,61	133	B7917/7K-3C1-500
4	1mm²/7	0,8	-	-	-	1,1	10,49	160	B7917/7K-4C1-500
5	1mm²/7	0,8	-	-	-	1,1	11,48	193	B7917/7K-5C1-500
7	1mm²/7	0,8	-	-	-	1,1	12,50	234	B7917/7K-7C1-500
12	1mm²/7	0,8	-	-	-	1,2	16,64	412	B7917/7K-12C1-500
19	1mm²/7	0,8	-	-	-	1,4	20,68	639	B7917/7K-19C1-500
27	1mm²/7	0,8	-	-	-	1,5	24,32	887	B7917/7K-27C1-500
20	1mm²/7	0,8	-	-	-	1,6	28,12	1190	B7917/7K-37C1-500

1	1.50mm²/30	0,8	-	-	-	1,0	5,80	49	B7917/7K-1C1.5-600
2	1.50mm²/30	0,8	-	-	-	1,1	9,70	133	B7917/7K-2C1.5-600
3	1.50mm²/30	0,8	-	-	-	1,1	10,26	153	B7917/7K-3C1.5-600
4	1.50mm²/30	0,8	-	-	-	1,1	11,22	185	B7917/7K-4C1.5-600
5	1.50mm²/30	0,8	-	-	-	1,1	12,29	224	B7917/7K-5C1.5-600
7	1.50mm²/30	0,8	-	-	-	1,2	13,60	279	B7917/7K-7C1.5-600
12	1.50mm²/30	0,8	-	-	-	1,3	18,09	491	B7917/7K-12C1.5-600
19	1.50mm²/30	0,8	-	-	-	1,4	22,25	748	B7917/7K-19C1.5-600
27	1.50mm²/30	0,8	-	-	-	1,6	26,39	1054	B7917/7K-27C1.5-600
37	1.50mm²/30	0,8	-	-	-	1,7	30,51	1413	B7917/7K-37C1.5-600



Nº Cores	Cores	RT Insulation Nominal	RT Inner sheath	∅ over inner sheath	∅ of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm²/uds	mm	mm	mm	mm	mm	mm	kgr/km	

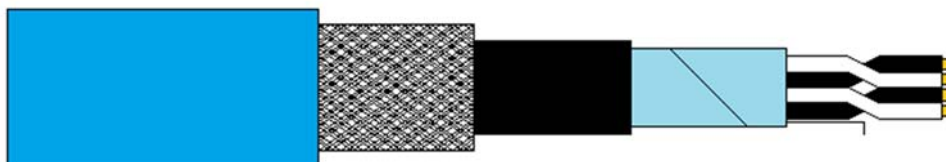
1	1.50mm²/7	0,8	-	-	-	1,0	5,80	50	B7917/7K-1C1.5-500
2	1.50mm²/7	0,8	-	-	-	1,1	9,70	136	B7917/7K-2C1.5-500
3	1.50mm²/7	0,8	-	-	-	1,1	10,26	158	B7917/7K-3C1.5-500
4	1.50mm²/7	0,8	-	-	-	1,1	11,22	192	B7917/7K-4C1.5-500
5	1.50mm²/7	0,8	-	-	-	1,1	12,29	232	B7917/7K-5C1.5-500
7	1.50mm²/7	0,8	-	-	-	1,2	13,60	290	B7917/7K-7C1.5-500
12	1.50mm²/7	0,8	-	-	-	1,3	18,09	510	B7917/7K-12C1.5-500
19	1.50mm²/7	0,8	-	-	-	1,4	22,25	778	B7917/7K-19C1.5-500
27	1.50mm²/7	0,8	-	-	-	1,6	26,39	1096	B7917/7K-27C1.5-500
37	1.50mm²/7	0,8	-	-	-	1,7	30,51	1472	B7917/7K-37C1.5-500

1	2.50mm²/50	0,8	-	-	-	1,0	6,30	62	B7917/7K-1C2.5-600
2	2.50mm²/50	0,8	-	-	-	1,1	10,70	171	B7917/7K-2C2.5-600
3	2.50mm²/50	0,8	-	-	-	1,1	11,33	200	B7917/7K-3C2.5-600
4	2.50mm²/50	0,8	-	-	-	1,1	12,42	245	B7917/7K-4C2.5-600
5	2.50mm²/50	0,8	-	-	-	1,2	13,84	304	B7917/7K-5C2.5-600
7	2.50mm²/50	0,8	-	-	-	1,2	15,10	374	B7917/7K-7C2.5-600
12	2.50mm²/50	0,8	-	-	-	1,4	20,37	673	B7917/7K-12C2.5-600
19	2.50mm²/50	0,8	-	-	-	1,5	25,07	1028	B7917/7K-19C2.5-600
27	2.50mm²/50	0,8	-	-	-	1,7	29,71	1448	B7917/7K-27C2.5-600
37	2.50mm²/50	0,8	-	-	-	1,8	34,36	1946	B7917/7K-37C2.5-600

1	2.50mm²/7	0,8	-	-	-	1,0	6,30	64	B7917/7K-1C2.5-500
2	2.50mm²/7	0,8	-	-	-	1,1	10,70	175	B7917/7K-2C2.5-500
3	2.50mm²/7	0,8	-	-	-	1,1	11,33	206	B7917/7K-3C2.5-500
4	2.50mm²/7	0,8	-	-	-	1,1	12,42	252	B7917/7K-4C2.5-500
5	2.50mm²/7	0,8	-	-	-	1,2	13,84	314	B7917/7K-5C2.5-500
7	2.50mm²/7	0,8	-	-	-	1,2	15,10	387	B7917/7K-7C2.5-500
12	2.50mm²/7	0,8	-	-	-	1,4	20,37	695	B7917/7K-12C2.5-500
19	2.50mm²/7	0,8	-	-	-	1,5	25,07	1064	B7917/7K-19C2.5-500
27	2.50mm²/7	0,8	-	-	-	1,7	29,71	1498	B7917/7K-27C2.5-500
37	2.50mm²/7	0,8	-	-	-	1,8	34,36	2016	B7917/7K-37C2.5-500

1	4.00mm²/56	1	-	-	-	1,0	7,10	84	B7917/7K-1C4-600
2	4.00mm²/56	1	-	-	-	1,2	12,50	240	B7917/7K-2C4-600
3	4.00mm²/56	1	-	-	-	1,2	13,25	281	B7917/7K-3C4-600
4	4.00mm²/56	1	-	-	-	1,2	14,55	349	B7917/7K-4C4-600

1	4.00mm²/7	1	-	-	-	1,0	7,10	87	B7917/7K-1C4-500
2	4.00mm²/7	1	-	-	-	1,2	12,50	246	B7917/7K-2C4-500
3	4.00mm²/7	1	-	-	-	1,2	13,25	293	B7917/7K-3C4-500
4	4.00mm²/7	1	-	-	-	1,2	14,55	362	B7917/7K-4C4-500



Nº Cores	Cores	RT Insulation Nominal	RT Inner sheath	∅ over inner sheath	∅ of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm²/uds	mm	mm	mm	mm	mm	mm	kgr/km	

1	6.00mm²/84	1	-	-	-	1,0	7,80	110	B7917/7K-1C6-600
2	6.00mm²/84	1	-	-	-	1,2	13,90	310	B7917/7K-2C6-600
3	6.00mm²/84	1	-	-	-	1,2	14,76	373	B7917/7K-3C6-600
4	6.00mm²/84	1	-	-	-	1,3	16,44	472	B7917/7K-4C6-600

1	6.00mm²/7	1	-	-	-	1,0	7,80	114	B7917/7K-1C6-500
2	6.00mm²/7	1	-	-	-	1,2	13,90	318	B7917/7K-2C6-500
3	6.00mm²/7	1	-	-	-	1,2	14,76	385	B7917/7K-3C6-500
4	6.00mm²/7	1	-	-	-	1,3	16,44	488	B7917/7K-4C6-500

1	10.00mm²/80	1	-	-	-	1,0	8,80	155	B7917/7K-1C10-600
2	10.00mm²/80	1	-	-	-	1,3	16,10	444	B7917/7K-2C10-600
3	10.00mm²/80	1	-	-	-	1,3	17,11	543	B7917/7K-3C10-600
4	10.00mm²/80	1	-	-	-	1,4	19,05	689	B7917/7K-4C10-600

1	10.00mm²/7	1	-	-	-	1,0	8,70	165	B7917/7K-1C10-500
2	10.00mm²/7	1	-	-	-	1,3	15,90	451	B7917/7K-2C10-500
3	10.00mm²/7	1	-	-	-	1,3	16,89	556	B7917/7K-3C10-500
4	10.00mm²/7	1	-	-	-	1,4	18,81	707	B7917/7K-4C10-500

1	16.00mm²/128	1	-	-	-	1,1	10,20	224	B7917/7K-1C16-600
2	16.00mm²/128	1	-	-	-	1,4	18,70	628	B7917/7K-2C16-600
3	16.00mm²/128	1	-	-	-	1,4	19,89	777	B7917/7K-3C16-600
4	16.00mm²/128	1	-	-	-	1,5	22,14	989	B7917/7K-4C16-600

1	16.00mm²/7	1	-	-	-	1,1	9,90	231	B7917/7K-1C16-500
2	16.00mm²/7	1	-	-	-	1,4	18,10	630	B7917/7K-2C16-500
3	16.00mm²/7	1	-	-	-	1,4	19,24	790	B7917/7K-3C16-500
4	16.00mm²/7	1	-	-	-	1,5	21,42	1009	B7917/7K-4C16-500