

**Siechem Annealed Plain Copper Conductor Rubber Insulated and Sheathed Cable (H07BB-F) Multicore Heavy duty cable**

**Application**

- ✓ Use for medium mechanical stress in dry, damp and wet areas
- ✓ Handling equipment, In open air for agriculture plants
- ✓ Installation on plaster, in temporary buildings and residential barracks
- ✓ Mobile power supplies, Worksites, stage and audio visual equipment
- ✓ Port areas and dams, use in drainage and water treatment
- ✓ Severe industrial environments like boilers, heating plates for transportable motors or machines at site.

**Features**

- ✓ Flame Retardant according to IEC/EN 60332-1-2
- ✓ High flexibility, Weather resistance, oil & grease resistant
- ✓ Capacity to withstand mechanical and thermal stresses
- ✓ In dry, damp and wet areas

**Product Construction**

- ✓ Conductor : Annealed Copper conductor, Class 5 flexible conductor EN 60228
- ✓ Optional : Tinned copper
- ✓ Insulation : Cross-linked elastomeric Compound Type EI 6 as per EN 50363-1
- ✓ Sheath : Cross-linked elastomeric Compound Type EM 6 as per EN 50363-2-1

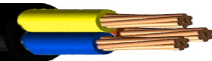
<b>ISO 9001</b>	<b>ISO 14001</b>	<b>AS 9100</b>	<b>ISO 45001</b>
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**Technical Data**

- ✓ Specification : BS EN 50525-2-21:2011 BS-6500
- ✓ Test voltage : 2kV
- ✓ Conductor resistance : EN 60228
- ✓ Rated voltage : 450/ 750 V
- ✓ Max. Operating Temperature: 90°C

Part Number	Number of Cores	Size	Conductor diameter	Thickness of insulation	Thickness of Sheath			Overall diameter		Max. conductor resistance at a 20°C	Weight approx.
					Single layer	Double layers		Minimum	Maximum		
	Nos.	mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	mm	Ω/km	Kg/Km
A02013XX	1	1.5	1.6	0.8	1.4	-	-	5.7	7.1	13.3	68
A02016XX	1	2.5	2.0	0.9	1.4	-	-	6.3	7.9	7.98	85
A02019XX	1	4	2.6	1.0	1.5	-	-	7.2	9.0	4.95	113
A02023XX	1	6	3.3	1.0	1.5	-	-	7.9	9.8	3.30	142
A02027XX	1	10	4.2	1.2	1.8	-	-	9.5	11.9	1.91	210
A02028XX	1	16	5.3	1.2	1.9	-	-	10.8	13.4	1.21	282
A02030XX	1	25	6.6	1.4	2.0	-	-	12.7	15.8	0.780	397
A02032XX	1	35	7.8	1.4	2.2	-	-	14.3	17.9	0.554	516
A02034XX	1	50	9.4	1.6	2.4	-	-	16.5	20.6	0.386	710
A02037XX	1	70	11.2	1.6	2.6	1.0	1.6	18.6	23.3	0.272	931
A02038XX	1	95	13.0	1.8	2.8	1.1	1.7	20.8	26.0	0.206	1226
A02041XX	1	120	14.5	1.8	3.0	1.2	1.8	22.8	28.6	0.161	1494
A02042XX	1	150	-	2.0	3.2	1.3	1.9	25.2	31.4	0.129	1833
A02044XX	1	185	-	2.2	3.4	1.4	2.0	27.6	34.4	0.106	2222
A02046XX	1	240	-	2.4	3.5	1.4	2.1	30.6	38.3	0.0801	2794
A02048XX	1	300	-	2.6	3.6	1.4	2.2	33.5	41.9	0.0641	3425
A02049XX	1	400	-	2.8	3.8	1.5	2.3	37.4	46.8	0.0486	4425
A02050XX	1	500	-	3.0	4.0	1.6	2.4	41.3	52	0.0384	5435
A02051XX	1	630	-	3.0	4.1	1.6	2.5	45.5	57	0.0287	6652
A0211002	2	1	1.6	0.8	1.3	-	-	7.7	10.0	19.5	123
A0211302	2	1.5	2.0	0.8	1.5	-	-	8.5	11.0	13.3	151
A0211602	2	2.5	2.6	0.9	1.7	-	-	10.2	13.1	7.98	209
A0211902	2	4	3.3	1.0	1.8	-	-	11.8	15.1	4.95	279
A0212302	2	6	4.2	1.0	2.0	-	-	13.1	16.8	3.30	356
A0212702	2	10	5.3	1.2	3.1	1.2	1.9	17.7	22.6	1.91	634
A0212802	2	16	6.6	1.2	3.3	1.3	2.0	20.2	25.7	1.21	838
A0213002	2	25	7.8	1.4	3.6	1.4	2.2	24.3	30.7	0.780	1177
A0211003	3	1	1.32	0.8	1.4	-	-	8.3	10.7	19.5	146
A0211303	3	1.5	1.6	0.8	1.6	-	-	9.2	11.9	13.3	180
A0211603	3	2.5	2.0	0.9	1.8	-	-	10.9	14.0	7.98	250
A0211903	3	4	2.6	1.0	1.9	-	-	12.7	16.2	4.95	336
A0212303	3	6	3.3	1.0	2.1	-	-	14.1	18.0	3.30	433
A0212703	3	10	4.2	1.2	3.3	1.3	2.0	19.1	24.2	1.91	770
A0212803	3	16	5.3	1.2	3.5	1.4	2.1	21.8	27.6	1.21	1029
A0213003	3	25	6.6	1.4	3.8	1.5	2.3	26.1	33.0	0.780	1456
A0213203	3	35	7.8	1.4	4.1	1.6	2.5	29.3	37.1	0.554	1876
A0213403	3	50	9.4	1.6	4.5	1.8	1.8	34.1	42.9	0.386	2573
A0213703	3	70	11.2	1.6	4.8	1.9	1.9	38.4	48.3	0.272	3337
A0213803	3	95	13.0	1.8	5.3	2.1	2.1	43.3	54	0.206	4363
A0214103	3	120	14.5	1.8	5.6	2.2	2.2	47.4	60	0.161	5288



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Part Number	Number of Cores	Size	Conductor diameter	Thickness of insulation	Thickness of Sheath			Overall diameter		Max. conductor resistance at 20°C	Weight approx.
					Single layer	Dual layer		Minimum	Maximum		
						Inner layer	Outer layer				
		mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	mm		Kg/Km
A0214203	3	150	-	2.0	6.0	2.4	3.6	52	66	0.129	6488
A0214403	3	185	-	2.2	6.4	2.5	3.9	57	72	0.106	7860
A0214603	3	240	-	2.4	7.1	2.8	4.3	65	82	0.0801	10043
A0214803	3	300	-	2.6	7.7	3.1	4.6	72	90	0.0641	124351
A0211004	4	1	1.32	0.8	1.5	-	-	9.2	11.9	19.5	188
A0211304	4	1.5	1.6	0.8	1.7	-	-	10.2	13.1	13.3	231
A0211604	4	2.5	2.0	0.9	1.9	-	-	12.1	15.5	7.98	304
A0211904	4	4	2.6	1.0	2.0	-	-	14.0	17.9	4.95	410
A0212304	4	6	3.3	1.0	2.3	-	-	15.7	20.0	3.30	540
A0212704	4	10	4.2	1.2	3.4	1.4	2.0	20.9	26.5	1.91	931
A0212804	4	16	5.3	1.2	3.6	1.4	2.2	23.8	30.1	1.21	1255
A0213004	4	25	6.6	1.4	4.1	1.6	2.5	28.9	36.6	0.780	1818
A0213204	4	35	7.8	1.4	4.4	1.7	2.7	32.5	41.1	0.554	2335
A0213404	4	50	9.4	1.6	4.8	1.9	2.9	37.7	47.5	0.386	3218
A0213704	4	70	11.2	1.6	5.2	2.0	3.2	42.7	54	0.272	4207
A0213804	4	95	13.0	1.8	5.9	2.3	3.6	48.4	61	0.206	5553
A0214104	4	120	14.5	1.8	6.0	2.4	3.6	53	66	0.161	6674
A0214204	4	150	-	2.0	6.5	2.6	3.9	58	73	0.129	8220
A0214404	4	185	-	2.2	7.0	2.8	4.2	64	80	0.106	9992
A0214604	4	240	-	2.4	7.7	3.1	4.6	72	91	0.0801	12749
A0214804	4	300	-	2.6	8.4	3.3	5.1	80	101	0.0641	15714
A0211005	5	1	1.32	0.8	1.6	-	-	10.2	13.1	19.5	211
A0211305	5	1.5	1.6	0.8	1.8	-	-	11.2	14.4	13.3	260
A0211605	5	2.5	2.0	0.9	2.0	-	-	13.3	17.0	7.98	362
A0211905	5	4	2.6	1.0	2.2	-	-	15.6	19.9	4.95	499
A0212305	5	6	3.3	1.0	2.5	1.0	1.5	17.5	22.2	3.30	664
A0212705	5	10	4.2	1.2	3.6	1.4	2.2	22.9	29.1	1.91	1115
A0212805	5	16	5.3	1.2	3.9	1.5	2.4	26.4	33.3	1.21	1522
A0213005	5	25	6.6	1.4	4.4	1.7	2.7	32.0	40.4	0.780	2202
A0213205	5	35	7.8	1.4	4.6	1.8	2.8	35.7	45.4	0.554	2809
A0213405	5	50	9.4	1.6	5.2	2.1	3.1	41.8	53	0.386	3921
A0213705	5	70	11.2	1.6	5.7	2.3	3.4	47.5	60	0.272	5149
A0213805	5	95	13.0	1.8	6.3	2.5	3.8	54	67	0.206	6754
A0214105	5	120	14.5	1.8	6.3	2.5	3.8	58	73	0.161	8095
A0214205	5	150	-	2.0	6.8	2.7	4.1	64	80	0.129	9969
A0214404	5	185	-	2.2	7.4	3.0	4.4	71	89	0.106	12155
A0214604	5	240	-	2.4	8.1	3.2	4.9	80	100	0.0801	15501
A0214804	5	300	-	2.6	8.8	3.5	5.3	88	111	0.0641	19909

Note : XX\* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

