

## Siechem Annealed Plain Copper Conductor 450/750V Rubber Insulated and Sheathed (H07BN4-F ) Heavy duty cables

### 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
- ✓ Insulation : Cross-linked elastomeric Compound Type EI 7 as per EN 50363-1
- ✓ Sheath : Cross-linked elastomeric Compound Type EM 7 as per EN 50363-2-1

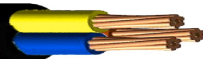
### Technical Data

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

ISO 9001    ISO 14001    AS 9100    ISO 45001



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 layers		Minimum	Maximum		
	Nos.	mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	mm	Ω/Km	Kg/Km
A02313XX	1	1.5	1.6	0.8	1.4	-	-	5.7	7.1	13.3	66
A02316XX	1	2.5	2.0	0.9	1.4	-	-	6.3	7.9	7.98	84
A02319XX	1	4	2.6	1.0	1.5	-	-	7.2	9.0	4.95	116
A02323XX	1	6	3.3	1.0	1.5	-	-	7.9	9.8	3.30	145
A02327XX	1	10	4.2	1.2	1.8	-	-	9.5	11.9	1.91	214
A02328XX	1	16	5.3	1.2	1.9	-	-	10.8	13.4	1.21	288
A02330XX	1	25	6.6	1.4	2.0	-	-	12.7	15.8	0.780	405
A02332XX	1	35	7.8	1.4	2.2	-	-	14.3	17.9	0.554	526
A02334XX	1	50	9.4	1.6	2.4	-	-	16.5	20.6	0.386	723
A02337XX	1	70	11.2	1.6	2.6	1.0	1.6	18.6	23.3	0.272	948
A02338XX	1	95	13.0	1.8	2.8	1.1	1.7	20.8	26.0	0.206	1221
A02341XX	1	120	14.5	1.8	3.0	1.2	1.8	22.8	28.6	0.161	1489
A02342XX	1	150	-	2.0	3.2	1.3	1.9	25.2	31.4	0.129	1827
A02344XX	1	185	-	2.2	3.4	1.4	2.0	27.6	34.4	0.106	2216
A02346XX	1	240	-	2.4	3.5	1.4	2.1	30.6	38.3	0.0801	2787
A02348XX	1	300	-	2.6	3.6	1.4	2.2	33.5	41.9	0.0641	3400
A02349XX	1	400	-	2.8	3.8	1.5	2.3	37.4	46.8	0.0486	4397
A02350XX	1	500	-	3.0	4.0	1.6	2.4	41.3	52	0.0384	5405
A02351XX	1	630	-	3.0	4.1	1.6	2.5	45.5	57	0.0287	6619
A0241002	2	1	1.32	0.8	1.3	-	-	7.7	10.0	19.5	119
A0241302	2	1.5	1.6	0.8	1.5	-	-	8.5	11.0	13.3	147
A0241602	2	2.5	2.0	0.9	1.7	-	-	10.2	13.1	7.98	024
A0241902	2	4	2.6	1.0	1.8	-	-	11.8	15.1	4.95	285
A0242302	2	6	3.3	1.0	2.0	-	-	13.1	16.8	3.30	364
A0242702	2	10	4.2	1.2	3.1	1.2	1.9	17.7	22.6	1.91	623
A0242802	2	16	5.3	1.2	3.3	1.3	2.0	20.2	25.7	1.21	826
A0243002	2	25	6.6	1.4	3.6	1.4	2.2	24.3	30.7	0.780	1164
A0241003	3	1	1.32	0.8	1.4	-	-	8.3	10.7	19.5	141
A0241303	3	1.5	1.6	0.8	1.6	-	-	9.2	11.9	13.3	175
A0241603	3	2.5	2.0	0.9	1.8	-	-	10.9	14.0	7.98	244
A0241903	3	4	2.6	1.0	1.9	-	-	12.7	16.2	4.95	344
A0242303	3	6	3.3	1.0	2.1	-	-	14.1	18.0	3.30	441
A0242703	3	10	4.2	1.2	3.3	1.3	2.0	19.1	24.2	1.91	760
A0242803	3	16	5.3	1.2	3.5	1.4	2.1	21.8	27.6	1.21	1018
A0243003	3	25	6.6	1.4	3.8	1.5	2.3	26.1	33.0	0.780	1444
A0243203	3	35	7.8	1.4	4.1	1.6	2.5	29.3	37.1	0.554	1853



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	Dual layer		Minimum	maximum		
						Inner layer	Outer layer				
	Nos.	mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	mm	Ω/Km	Kg/Km
A0243403	3	50	9.4	1.6	4.5	1.8	2.7	34.1	42.9	0.386	2556
A0243703	3	70	11.2	1.6	4.8	1.9	2.9	38.4	48.3	0.272	3319
A0243803	3	95	13.0	1.8	5.3	2.1	3.2	43.3	54	0.206	4343
A0244103	3	120	14.5	1.8	5.6	2.2	3.4	47.4	60	0.161	5266
A0244243	3	150	-	2.0	6.0	2.4	3.6	52	66	0.129	6464
A0244403	3	185	-	2.2	6.4	2.5	3.9	57	72	0.106	7893
A0244603	3	240	-	2.4	7.1	2.8	4.3	65	82	0.0801	10080
A0244803	3	300	-	2.6	7.7	3.1	4.6	72	90	0.0641	12393
A0241004	4	1	1.32	0.8	1.5	-	-	9.2	11.9	19.5	171
A0241304	4	1.5	1.6	0.8	1.7	-	-	10.2	13.1	13.3	212
A0241604	4	2.5	2.0	0.9	1.9	-	-	12.1	15.5	7.98	297
A0241904	4	4	2.6	1.0	2.0	-	-	14.0	17.9	4.95	420
A0242304	4	6	3.3	1.0	2.3	-	-	15.7	20.0	3.30	550
A0242704	4	10	4.2	1.2	3.4	1.4	2.0	20.9	26.5	1.91	922
A0242804	4	16	5.3	1.2	3.6	1.4	2.2	23.8	30.1	1.21	1245
A0243004	4	25	6.6	1.4	4.1	1.6	2.5	28.9	36.6	0.780	1806
A0243244	4	35	7.8	1.4	4.4	1.7	2.7	32.5	41.1	0.554	2321
A0243404	4	50	9.4	1.6	4.8	1.9	2.9	37.7	47.5	0.386	3203
A0243704	4	70	11.2	1.6	5.2	2.0	3.2	42.7	54	0.272	4189
A0243804	4	95	13.0	1.8	5.9	2.3	3.6	48.4	61	0.206	5529
A0244104	4	120	14.5	1.8	6.0	2.4	3.6	53	66	0.161	6648
A0244244	4	150	-	2.0	6.5	2.6	3.9	58	73	0.129	8191
A0244404	4	185	-	2.2	7.0	2.8	4.2	64	80	0.0801	10033
A0244604	4	240	-	2.4	7.7	3.1	4.6	72	91	0.0641	12796
A0244804	4	300	-	2.6	8.4	3.3	5.1	80	101	0.054	15766
A0241005	5	1	1.32	0.8	1.6	-	-	10.2	13.1	13.3	204
A0241305	5	1.5	1.6	0.8	1.8	-	-	11.2	14.4	7.98	252
A0241605	5	2.5	2.0	0.9	2.0	-	-	13.3	17.0	4.95	354
A0241905	5	4	2.6	1.0	2.2	-	-	15.6	19.9	3.30	511
A0242305	5	6	3.3	1.0	2.5	1.0	1.5	17.5	22.2	1.91	667
A0242705	5	10	4.2	1.2	3.6	1.4	2.2	22.9	29.1	1.21	1106
A0242805	5	16	5.3	1.2	3.9	1.5	2.4	26.4	33.3	0.780	1512
A0243005	5	25	6.6	1.4	4.4	1.7	2.7	32.0	40.4	0.554	2190

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	

