



Siechem Annealed Plain Copper Conductor 450/750V Rubber Insulated and Sheathed Cable (H07RN8-F) 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 4 as per EN 50363-1
- ✓ Sheath : Cross linked elastomeric compound Type EM 2 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 : 60°C

ISO 9001	ISO 14001	AS 9100	ISO 45001
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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 layers		Minimum	Maximum		
						Inner layers	Outer layer				
	Nos.	mm ²	mm	mm	mm	mm	mm	mm	mm	Ω/km	kg/km
A01713XX	1	1.5	1.6	0.8	1.4	-	-	5.7	7.1	13.3	69
A01716XX	1	2.5	2.0	0.9	1.4	-	-	6.3	7.9	7.98	87
A01719XX	1	4	2.6	1.0	1.5	-	-	7.2	9.0	4.95	115
A01723XX	1	6	3.3	1.0	1.5	-	-	7.9	9.8	3.30	144
A01727XX	1	10	4.2	1.2	1.8	-	-	9.5	11.9	1.91	213
A01728XX	1	16	5.3	1.2	1.9	-	-	10.8	13.4	1.21	286
A01730XX	1	25	6.6	1.4	2.0	-	-	12.7	15.8	0.780	401
A01732XX	1	35	7.8	1.4	2.2	-	-	14.3	17.9	0.554	520
A01734XX	1	50	9.	1.6	2.4	-	-	16.5	20.6	0.386	715
A01737XX	1	70	11.2	1.6	2.6	1.0	1.6	18.6	23.3	0.272	937
A01738XX	1	95	13.0	1.8	2.8	1.1	1.7	20.8	26.0	0.206	1221
A01741XX	1	120	14.5	1.8	3.0	1.2	1.8	22.8	28.6	0.161	1489
A01742XX	1	150	-	2.0	3.2	1.3	1.9	25.2	31.4	0.129	1827
A01744XX	1	185	-	2.2	3.4	1.4	2.0	27.6	34.4	0.106	2216
A01746XX	1	240	-	2.4	3.5	1.4	2.1	30.6	38.3	0.0801	2787
A01748XX	1	300	-	2.6	3.6	1.4	2.2	33.5	41.9	0.0641	3400
A01749XX	1	400	-	2.8	3.8	1.5	2.3	37.4	46.8	0.0486	4397
A01750XX	1	500	-	3.0	4.0	1.6	2.4	41.3	52	0.0384	5405
A01751XX	1	630	-	3.0	4.1	1.6	2.5	45.5	57	0.0287	6619
A0181002	2	1	1.32	0.8	1.3	-	-	7.7	10.0	19.5	119
A0181302	2	1.5	1.6	0.8	1.5	-	-	8.5	11.0	13.3	147
A0181602	2	2.5	2.0	0.9	1.7	-	-	10.2	13.1	7.98	204
A0181902	2	4	2.6	1.0	1.8	-	-	11.8	15.1	4.95	285
A0182302	2	6	3.3	1.0	2.0	-	-	13.1	16.8	3.30	364
A0182702	2	10	4.2	1.2	3.1	1.2	1.9	17.7	22.6	1.91	644
A0182802	2	16	5.3	1.2	3.3	1.3	2.0	20.2	25.7	1.21	849
A0183002	2	25	6.6	1.4	3.6	1.4	2.2	24.3	30.7	0.780	1190
A0181003	3	1	1.32	0.8	1.4	-	-	8.3	10.7	19.5	141
A0181303	3	1.5	1.6	0.8	1.6	-	-	9.2	11.9	13.3	175
A0181603	3	2.5	2.0	0.9	1.8	-	-	10.9	14.0	7.98	244
A0181903	3	4	2.6	1.0	1.9	-	-	12.7	16.2	4.95	344
A0182303	3	6	3.3	1.0	2.1	-	-	14.1	18.0	3.30	441
A0182703	3	10	4.2	1.2	3.3	1.3	2.0	19.1	24.2	1.91	781
A0182803	3	16	5.3	1.2	3.5	1.4	2.1	21.8	27.6	1.21	1042
A0183003	3	25	6.6	1.4	3.8	1.5	2.3	26.1	33.0	0.780	1472
A0183203	3	35	7.8	1.4	4.1	1.6	2.5	29.3	37.1	0.554	1885



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					Single layer	Dual layers		Minimum	Maximum		
						Inner layer	Outer layer				
	Nos.	mm ²	mm	mm	mm	mm	mm	mm	mm	Ω/km	Kg/Km
A0183403	3	50	9.4	1.6	4.5	1.8	2.7	34.1	42.9	0.386	2593
A0183703	3	70	11.2	1.6	4.8	1.9	2.9	38.4	48.3	0.272	3360
A0183803	3	95	13.0	1.8	5.3	2.1	3.2	43.3	54	0.206	4343
A0184103	3	120	14.5	1.8	5.6	2.2	3.4	47.4	60	0.161	5266
A0184203	3	150	-	2.0	6.0	2.4	3.6	52	66	0.129	6464
A0184403	3	185	-	2.2	6.4	2.5	3.9	57	72	0.106	7893
A0184603	3	240	-	2.4	7.1	2.8	4.3	65	82	0.0801	10080
A0184803	3	300	-	2.6	7.7	3.1	4.6	72	90	0.0641	12393
A0181004	4	1	1.32	0.8	1.5	-	-	9.2	11.9	19.5	182
A0181304	4	1.5	1.6	0.8	1.7	-	-	10.2	13.1	13.3	224
A0181604	4	2.5	2.0	0.9	1.9	-	-	12.1	15.5	7.98	297
A0181904	4	4	2.6	1.0	2.0	-	-	14.0	17.9	4.95	420
A0182304	4	6	3.3	1.0	2.3	-	-	15.7	20.0	3.30	550
A0182704	4	10	4.2	1.2	3.4	1.4	2.0	20.9	26.5	1.91	945
A0182804	4	16	5.3	1.2	3.6	1.4	2.2	23.8	30.1	1.21	1271
A0183004	4	25	6.6	1.4	4.1	1.6	2.5	28.9	36.6	0.780	1837
A0183204	4	35	7.8	1.4	4.4	1.7	2.7	32.5	41.1	0.554	2356
A0183404	4	50	9.4	1.6	4.8	1.9	2.9	37.7	47.5	0.386	3243
A0183704	4	70	11.2	1.6	5.2	2.0	3.2	42.7	54	0.272	4235
A0183804	4	95	13.0	1.8	5.9	2.3	3.6	48.4	61	0.206	5529
A0184104	4	120	14.5	1.8	6.0	2.4	3.6	53	66	0.161	6648
A0184204	4	150	-	2.0	6.5	2.6	3.9	58	73	0.129	8191
A0184404	4	185	-	2.2	7.0	2.8	4.2	64	80	0.106	10033
A0184604	4	240	-	2.4	7.7	3.1	4.6	72	91	0.0801	12796
A0184804	4	300	-	2.6	8.4	3.3	5.1	80	101	0.0641	15766
A0181005	5	1	1.32	0.8	1.6	-	-	10.2	13.1	19.5	204
A0181305	5	1.5	1.6	0.8	1.8	-	-	11.2	14.4	13.3	252
A0181605	5	2.5	2.0	0.9	2.0	-	-	13.3	17.0	7.98	15766
A0181905	5	4	2.6	1.0	2.2	-	-	15.6	19.9	4.95	204
A0182305	5	6	3.3	1.0	2.5	1.0	1.5	17.5	22.2	3.30	252
A0182705	5	10	4.2	1.2	3.6	1.4	2.2	22.9	29.1	1.91	354
A0182805	5	16	5.3	1.2	3.9	1.5	2.4	26.4	33.3	1.21	511
A0183005	5	25	6.6	1.4	4.4	1.7	2.7	32.0	40.4	0.780	677

