



Siechem Annealed Plain Copper Conductor 450/750V Rubber Insulated and Sheathed (H07RN-F) Multicore Heavy Duty Cables

Application

- ✓ It is intended for installations with moving equipment electrical appliances and for building sites
- ✓ This can be used in refrigerating installations

Product Construction

- ✓ Conductor : Annealed Plain Copper Conductor, Class 5 Flexible Conductor EN 60228 (Optional : Tinned Copper)
- ✓ Insulation : Electron Beam Cross Linked (EBXL) Elastomeric Compound Type EI 4 as per EN 50363-1
- ✓ Sheath : Electron Beam Cross Linked (EBXL) Elastomeric Compound type EM 2 to EN 50363-2-1

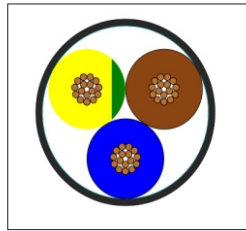
Technical Data

- ✓ Specification :BS EN 50525-2-21:2011 BS-6500
- ✓ Test voltage : 2kV
- ✓ Conductor Resistance : EN 60228
- ✓ Rated Voltage : (u_i/u) 450/750 V
- ✓ Rated Conductor Temperature : +60°C

Features

- ✓ Excellent flexibility
- ✓ Flame retardant
- ✓ Ozone resistant

2D View



Approvals	Accreditations	Certifications

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	Double layers		Minimum	Maximum		
						Inner layers	Outer layer				
	Nos.	mm ²	mm	mm	mm	mm	mm	mm	mm	Ω/km	Kg/Km
A01513XXYY	1	1.5	1.6	0.8	1.4	-	-	5.7	7.1	13.3	69
A01516XXYY	1	2.5	2.0	0.9	1.4	-	-	6.3	7.9	7.98	87
A01519XXYY	1	4	2.6	1.0	1.5	-	-	7.2	9.0	4.95	115
A01523XXYY	1	6	3.3	1.0	1.5	-	-	7.9	9.8	3.30	144
A01527XXYY	1	10	4.2	1.2	1.8	-	-	9.5	11.9	1.91	213
A01528XXYY	1	16	5.3	1.2	1.9	-	-	10.8	13.4	1.21	286
A01530XXYY	1	25	6.6	1.4	2.0	-	-	12.7	15.8	0.780	401
A01532XXYY	1	35	7.8	1.4	2.2	-	-	14.3	17.9	0.554	520
A01534XXYY	1	50	9.	1.6	2.4	-	-	16.5	20.6	0.386	715
A01537XXYY	1	70	11.2	1.6	2.6	1.0	1.6	18.6	23.3	0.272	937
A01538XXYY	1	95	13.0	1.8	2.8	1.1	1.7	20.8	26.0	0.206	1221
A01541XXYY	1	120	14.5	1.8	3.0	1.2	1.8	22.8	28.6	0.161	1489
A01542XXYY	1	150	-	2.0	3.2	1.3	1.9	25.2	31.4	0.129	1827
A01544XXYY	1	185	-	2.2	3.4	1.4	2.0	27.6	34.4	0.106	2216
A01546XXYY	1	240	-	2.4	3.5	1.4	2.1	30.6	38.3	0.0801	2787
A01548XXYY	1	300	-	2.6	3.6	1.4	2.2	33.5	41.9	0.0641	3400
A01549XXYY	1	400	-	2.8	3.8	1.5	2.3	37.4	46.8	0.0486	4397
A01550XXYY	1	500	-	3.0	4.0	1.6	2.4	41.3	52	0.0384	5405
A01551XXYY	1	630	-	3.0	4.1	1.6	2.5	45.5	57	0.0287	6619
A0161002	2	1	1.32	0.8	1.3	-	-	7.7	10.0	19.5	119
A0161302	2	1.5	1.6	0.8	1.5	-	-	8.5	11.0	13.3	147
A0161602	2	2.5	2.0	0.9	1.7	-	-	10.2	13.1	7.98	204
A0161902	2	4	2.6	1.0	1.8	-	-	11.8	15.1	4.95	285
A0162302	2	6	3.3	1.0	2.0	-	-	13.1	16.8	3.30	364
A0162702	2	10	4.2	1.2	3.1	1.2	1.9	17.7	22.6	1.91	644
A0162802	2	16	5.3	1.2	3.3	1.3	2.0	20.2	25.7	1.21	849
A0163002	2	25	6.6	1.4	3.6	1.4	2.2	24.3	30.7	0.780	1190
A0163202	2	35	7.8	1.4	3.8	1.5	2.3	27.2	34.3	0.554	1499
A0163402	2	50	9.	1.6	4.2	1.7	2.5	31.6	39.8	0.386	2061
A0163702	2	70	11.2	1.6	4.6	1.8	2.8	35.8	45.1	0.272	2674
A0163802	2	95	13.0	1.8	5.0	2.0	3.0	40.2	51	0.206	3457
A0161003	3	1	1.32	0.8	1.4	-	-	8.3	10.7	19.5	141
A0161303	3	1.5	1.6	0.8	1.6	-	-	9.2	11.9	13.3	175
A0161603	3	2.5	2.0	0.9	1.8	-	-	10.9	14.0	7.98	244



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	Double layers		Minimum	Maximum		
						Inner layer	Outer layer				
	Nos.	mm ²	mm	mm	mm	mm	mm	mm	mm	Ω/km	Kg/Km
A0161903	3	4	2.6	1.0	1.9	-	-	12.7	16.2	4.95	344
A0162303	3	6	3.3	1.0	2.1	-	-	14.1	18.0	3.30	441
A0162703	3	10	4.2	1.2	3.3	1.3	2.0	19.1	24.2	1.91	781
A0162803	3	16	5.3	1.2	3.5	1.4	2.1	21.8	27.6	1.21	1042
A0163003	3	25	6.6	1.4	3.8	1.5	2.3	26.1	33.0	0.780	1472
A0163203	3	35	7.8	1.4	4.1	1.6	2.5	29.3	37.1	0.554	1885
A0163403	3	50	9.4	1.6	4.5	1.8	2.7	34.1	42.9	0.386	2593
A0163703	3	70	11.2	1.6	4.8	1.9	2.9	38.4	48.3	0.272	3360
A0163803	3	95	13.0	1.8	5.3	2.1	3.2	43.3	54	0.206	4343
A0164103	3	120	14.5	1.8	5.6	2.2	3.4	47.4	60	0.161	5266
A0164203	3	150	-	2.0	6.0	2.4	3.6	52	66	0.129	6464
A0164403	3	185	-	2.2	6.4	2.5	3.9	57	72	0.106	7893
A0164603	3	240	-	2.4	7.1	2.8	4.3	65	82	0.0801	10080
A0164803	3	300	-	2.6	7.7	3.1	4.6	72	90	0.0641	12393
A0161004	4	1	1.32	0.8	1.5	-	-	9.2	11.9	19.5	182
A0161304	4	1.5	1.6	0.8	1.7	-	-	10.2	13.1	13.3	224
A0161604	4	2.5	2.0	0.9	1.9	-	-	12.1	15.5	7.98	297
A0161904	4	4	2.6	1.0	2.0	-	-	14.0	17.9	4.95	420
A0162304	4	6	3.3	1.0	2.3	-	-	15.7	20.0	3.30	550
A0162704	4	10	4.2	1.2	3.4	1.4	2.0	20.9	26.5	1.91	945
A0162804	4	16	5.3	1.2	3.6	1.4	2.2	23.8	30.1	1.21	1271
A0163004	4	25	6.6	1.4	4.1	1.6	2.5	28.9	36.6	0.780	1858
A0163204	4	35	7.8	1.4	4.4	1.7	2.7	32.5	41.1	0.554	2383
A0163404	4	50	9.4	1.6	4.8	1.9	2.9	37.7	47.5	0.386	3281
A0163704	4	70	11.2	1.6	5.2	2.0	3.2	42.7	54	0.272	4283
A0163804	4	95	13.0	1.8	5.9	2.3	3.6	48.4	61	0.206	5590
A0164104	4	120	14.5	1.8	6.0	2.4	3.6	53	66	0.161	6722
A0164204	4	150	-	2.0	6.5	2.6	3.9	58	73	0.129	8283
A0164404	4	185	-	2.2	7.0	2.8	4.2	64	80	0.106	10146
A0164604	4	240	-	2.4	7.7	3.1	4.6	72	91	0.0801	12941
A0164804	4	300	-	2.6	8.4	3.3	5.1	80	101	0.0641	15944
A0161005	5	1	1.32	0.8	1.6	-	-	10.2	13.1	19.5	204
A0161305	5	1.5	1.6	0.8	1.8	-	-	11.2	14.4	13.3	252
A0161605	5	2.5	2.0	0.9	2.0	-	-	13.3	17.0	7.98	354
A0161905	5	4	2.6	1.0	2.2	-	-	15.6	19.9	4.95	511
A0162305	5	6	3.3	1.0	2.5	1.0	1.5	17.5	22.2	3.30	677
A0162705	5	10	4.2	1.2	3.6	1.4	2.2	22.9	29.1	1.91	1132
A0162805	5	16	5.3	1.2	3.9	1.5	2.4	26.4	33.3	1.21	1541
A0163005	5	25	6.6	1.4	4.4	1.7	2.7	32.0	40.4	0.780	2224
A0163205	5	35	7.8	1.4	4.6	1.8	2.8	35.7	45.4	0.554	2835
A0163405	5	50	9.4	1.6	5.2	2.1	3.1	41.8	53	0.386	3950
A0163705	5	70	11.2	1.6	5.7	2.3	3.4	47.5	60	0.272	5183
A0163804	5	95	13.0	1.8	6.3	2.5	3.8	54	67	0.206	6725

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	

** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



Siechem Annealed Plain Copper Conductor 450/750V Rubber Insulated and Sheathed (H07RN-F) Heavy Duty Cable

Application

- ✓ It is intended for installations with moving equipment electrical appliances and for building sites
- ✓ This can be used in refrigerating installations

Product Construction

- ✓ Conductor : Annealed copper conductor class 5 flexible conductor as per 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

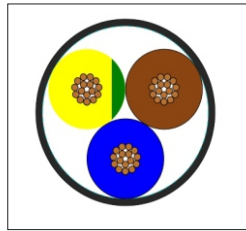
Technical Data

- ✓ Specification : BS EN 50525-2-21:2011 BS-6500
- ✓ Test voltage : 2kV
- ✓ Conductor resistance : EN 60228
- ✓ Rated voltage : 450/750 V
- ✓ Max. Operating temperature : 60°C

Features

- ✓ Excellent flexible
- ✓ Water resistant and flame retardant
- ✓ Oil resistant.

2D View



Approvals	Accreditations	Certifications

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	Double layers		Minimum	Maximum		
						Inner layer	Outer layer				
	Nos.	mm ²	mm	mm	mm	mm	mm	mm	mm	Ω/km	Kg/Km
A0161306	6	1.5	1.6	0.8	2.6	1.0	14.5	13.4	17.2	13.3	347
A0161307	7	1.5	1.6	0.8	2.6	1.0	1.6	14.7	18.7	13.3	373
A0161312	12	1.5	1.6	0.8	2.9	1.2	1.7	17.6	22.4	13.3	600
A0161318	18	1.5	1.6	0.8	3.2	1.3	1.9	20.7	26.3	13.3	847
A0161324	24	1.5	1.6	0.8	3.5	1.4	2.1	24.3	30.7	13.3	1123
A0161336	36	1.5	1.6	0.8	3.8	1.5	2.3	27.8	35.2	13.3	1530
A0161606	6	2.5	2.0	0.9	2.7	1.1	1.6	15.7	20.0	7.98	473
A0161607	7	2.5	2.0	0.9	2.8	1.1	1.7	17.1	21.8	7.98	510
A0161612	12	2.5	2.0	0.9	3.1	1.2	1.9	20.6	26.2	7.98	838
A0161618	18	2.5	2.0	0.9	3.5	1.4	2.1	24.4	30.9	7.98	1184
A0161624	24	2.5	2.0	0.9	3.9	1.6	2.3	28.8	36.4	7.98	1586
A0161636	36	2.5	2.0	0.9	4.3	1.7	2.6	33.2	41.8	7.98	2190
A0161906	6	4	2.6	1.0	2.9	1.2	1.7	18.2	23.2	4.95	668
A0161907	7	4	2.6	1.0	3.1	1.2	1.9	20.1	25.5	4.95	744
A0161912	12	4	2.6	1.0	3.5	1.4	2.1	24.4	30.9	4.95	1222
A0161918	18	4	2.6	1.0	3.9	1.6	2.3	28.8	36.4	4.95	1726

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

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