

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

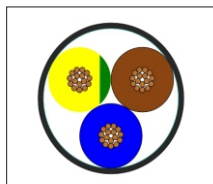
Features

- ✓ 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
- ✓ Optional : Tinned Copper
- ✓ Insulation : Cross Linked Elastomeric Compound Type EI 4 As Per En 50363-1
- ✓ Sheath : Cross Linked Elastomeric Compound Type EM 2 to EN 50363-2-1

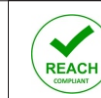
2D View



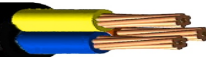
Technical Data

- ✓ Specification : BS EN 50525-2-21:2011 BS-6500
- ✓ Operating Temperature :-25°C to 60°C
- ✓ Test voltage : 2.5 kV
- ✓ Conductor resistance : EN 60228
- ✓ Rated Voltage : (u₀/u) 450/750 V
- ✓ Fire resistant : EN 60332-1-2

ISO 9001	ISO 14001	AS 9100	ISO 45001
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Part Number	Number of Cores	Size	Max Conductor diameter	Thickness of insulation	Thickness of Sheath			Overall diameter		Max conductor resistance at 20°C	Weight approx.
					Single layer	Double layers		Minimum	Maximum		
	Nos.	mm ²	mm	mm	mm	mm	mm	mm	mm	Ω/km	Kg/Km
A01513XXYY	1	1.5	1.8	0.8	1.4	-	-	5.7	7.1	13.3	69
A01516XXYY	1	2.5	2.4	0.9	1.4	-	-	6.3	7.9	7.98	87
A01519XXYY	1	4	3.0	1.0	1.5	-	-	7.2	9.0	4.95	115
A01523XXYY	1	6	3.9	1.0	1.6	-	-	7.9	9.8	3.30	144
A01527XXYY	1	10	5.1	1.2	1.8	-	-	9.5	11.9	1.91	213
A01528XXYY	1	16	6.3	1.2	1.9	-	-	10.8	13.4	1.21	286
A01530XXYY	1	25	7.8	1.4	2.0	-	-	12.7	15.8	0.780	401
A01532XXYY	1	35	9.2	1.4	2.2	-	-	14.3	17.9	0.554	520
A01534XXYY	1	50	11.0	1.6	2.4	-	-	16.5	20.6	0.386	715
A01537XXYY	1	70	13.1	1.6	2.6	1.0	1.6	18.6	23.3	0.272	937
A01538XXYY	1	95	15.1	1.8	2.8	1.1	1.7	20.8	26.0	0.206	1221
A01541XXYY	1	120	17.0	1.8	3.0	1.2	1.8	22.8	28.6	0.161	1489
A01542XXYY	1	150	19.0	2.0	3.2	1.3	1.9	25.2	31.4	0.129	1827
A01544XXYY	1	185	21.0	2.2	3.4	1.4	2.0	27.6	34.4	0.106	2216
A01546XXYY	1	240	24.0	2.4	3.5	1.4	2.1	30.6	38.3	0.0801	2787
A01548XXYY	1	300	27.0	2.6	3.6	1.4	2.2	33.5	41.9	0.0641	3400
A01549XXYY	1	400	31.0	2.8	3.8	1.5	2.3	37.4	46.8	0.0486	4397
A01550XXYY	1	500	35.0	3.0	4.0	1.6	2.4	41.3	52	0.0384	5405
A01551XXYY	1	630	39.0	3.0	4.1	1.6	2.5	45.5	57	0.0287	6619
A0161002	2	1	1.5	0.8	1.3	-	-	7.7	10.0	19.5	119
A0161302	2	1.5	1.8	0.8	1.5	-	-	8.5	11.0	13.3	147
A0161602	2	2.5	2.4	0.9	1.7	-	-	10.2	13.1	7.98	204
A0161902	2	4	3.0	1.0	1.8	-	-	11.8	15.1	4.95	285
A0162302	2	6	3.9	1.0	2.0	-	-	13.1	16.8	3.30	364
A0162702	2	10	5.1	1.2	3.1	1.2	1.9	17.7	22.6	1.91	644
A0162802	2	16	6.3	1.2	3.3	1.3	2.0	20.2	25.7	1.21	849
A0163002	2	25	7.8	1.4	3.6	1.4	2.2	24.3	30.7	0.780	1190
A0163202	2	35	9.2	1.4	3.8	1.5	2.3	27.2	34.3	0.554	1499
A0163402	2	50	11.0	1.6	4.2	1.7	2.5	31.6	39.8	0.386	2061
A0163702	2	70	13.1	1.6	4.6	1.8	2.8	35.8	45.1	0.272	2674
A0163802	2	95	15.1	1.8	5.0	2.0	3.0	40.2	51	0.206	3457
A0161003	3	1	1.5	0.8	1.4	-	-	8.3	10.7	19.5	141
A0161303	3	1.5	1.8	0.8	1.6	-	-	9.2	11.9	13.3	175
A0161603	3	2.5	2.4	0.9	1.8	-	-	10.9	14.0	7.98	244
A0161903	3	4	3.0	1.0	1.9	-	-	12.7	16.2	4.95	344
A0162303	3	6	3.9	1.0	2.1	-	-	14.1	18.0	3.30	441
A0162703	3	10	5.1	1.2	3.3	1.3	2.0	19.1	24.2	1.91	781
A0162803	3	16	6.3	1.2	3.5	1.4	2.1	21.8	27.6	1.21	1042
A0163003	3	25	7.8	1.4	3.8	1.5	2.3	26.1	33.0	0.780	1472



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Part Number	Number of Cores	Size	Max 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
A0163203	3	35	9.2	1.4	4.1	1.6	2.5	29.3	37.1	0.554	1885
A0163403	3	50	11.0	1.6	4.5	1.8	2.7	34.1	42.9	0.386	2593
A0163703	3	70	13.1	1.6	4.8	1.9	2.9	38.4	48.3	0.272	3360
A0163803	3	95	15.1	1.8	5.3	2.1	3.2	43.3	54	0.206	4343
A0164103	3	120	17.0	1.8	5.6	2.2	3.4	47.4	60	0.161	5266
A0164203	3	150	19.0	2.0	6.0	2.4	3.6	52	66	0.129	6464
A0164403	3	185	21.0	2.2	6.4	2.5	3.9	57	72	0.106	7893
A0164603	3	240	24.0	2.4	7.1	2.8	4.3	65	82	0.0801	10080
A0164803	3	300	27.0	2.6	7.7	3.1	4.6	72	90	0.0641	12393
A0161004	4	1	1.5	0.8	1.5	-	-	9.2	11.9	19.5	182
A0161304	4	1.5	1.8	0.8	1.7	-	-	10.2	13.1	13.3	224
A0161604	4	2.5	2.4	0.9	1.9	-	-	12.1	15.5	7.98	297
A0161904	4	4	3.0	1.0	2.0	-	-	14.0	17.9	4.95	420
A0162304	4	6	3.9	1.0	2.3	-	-	15.7	20.0	3.30	550
A0162704	4	10	5.1	1.2	3.4	1.4	2.0	20.9	26.5	1.91	945
A0162804	4	16	6.3	1.2	3.6	1.4	2.2	23.8	30.1	1.21	1271
A0163004	4	25	7.8	1.4	4.1	1.6	2.5	28.9	36.6	0.780	1858
A0163204	4	35	9.2	1.4	4.4	1.7	2.7	32.5	41.1	0.554	2383
A0163404	4	50	11.0	1.6	4.8	1.9	2.9	37.7	47.5	0.386	3281
A0163704	4	70	13.1	1.6	5.2	2.0	3.2	42.7	54	0.272	4283
A0163804	4	95	15.1	1.8	5.9	2.3	3.6	48.4	61	0.206	5590
A0164104	4	120	17.0	1.8	6.0	2.4	3.6	53	66	0.161	6722
A0164204	4	150	19.0	2.0	6.5	2.6	3.9	58	73	0.129	8283
A0164404	4	185	21.0	2.2	7.0	2.8	4.2	64	80	0.106	10146
A0164604	4	240	24.0	2.4	7.7	3.1	4.6	72	91	0.0801	12941
A0164804	4	300	27.0	2.6	8.4	3.3	5.1	80	101	0.0641	15944
A0161005	5	1	1.5	0.8	1.6	-	-	10.2	13.1	19.5	204
A0161305	5	1.5	1.8	0.8	1.8	-	-	11.2	14.4	13.3	252
A0161605	5	2.5	2.4	0.9	2.0	-	-	13.3	17.0	7.98	354
A0161905	5	4	3.0	1.0	2.2	-	-	15.6	19.9	4.95	511
A0162305	5	6	3.9	1.0	2.5	1.0	1.5	17.5	22.2	3.30	677
A0162705	5	10	5.1	1.2	3.6	1.4	2.2	22.9	29.1	1.91	1132
A0162805	5	16	6.3	1.2	3.9	1.5	2.4	26.4	33.3	1.21	1541
A0163005	5	25	7.8	1.4	4.4	1.7	2.7	32.0	40.4	0.780	2224
A0163205	5	35	9.2	1.4	4.6	1.8	2.8	35.7	45.4	0.554	2835
A0163405	5	50	11.0	1.6	5.2	2.1	3.1	41.8	53	0.386	3950
A0163705	5	70	13.1	1.6	5.7	2.3	3.4	47.5	60	0.272	5183
A0163804	5	95	15.1	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	Green-Yellow - 29

