

JINSHUI WIRE & CABLE GROUP ZHENGZHOU JINSHUI INDUSTRY & COMMERCE CO.,LTD.



RUBBER SHEATH CABLE

JINSHUI WIRE & CABLE GROUP

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Rubber sheath Flexible Cable
(GB5013-1997,JB8735-1998)

Cores× Nominal Section (mm ²)	Conductive Core (mm)	Average Outer Diameter (mm)		20℃Conductor Resistance ≤(Ω/km)		Reference Weight (kg/km)	
	Number/Diameter of Core	Minimun	Maximum	Copper Core	Tinning Copper Core	YC	YCW
1×10	84/0.40	9.8	13.0	1.91	1.95	220.6	234.8
1×16	126/0.40	11.0	14.5	1.21	1.24	295.1	311.6
1×25	196/0.40	12.5	16.5	0.780	0.795	425.6	466.2
1×35	276/0.40	14.3	17.9	0.554	0.565	584	591
1×50	396/0.40	16.5	21.0	0.386	0.393	758.4	788.4
1×70	360/0.50	18.5	24.0	0.272	0.277	1034.1	1073.7
1×95	475/0.50	21.0	26.0	0.206	0.210	1324.7	1369.3
1×120	608/0.50	23.0	28.5	0.161	0.164	1593.9	1646.3
1×150	756/0.50	25.0	32.0	0.129	0.132	1971.6	2063.7
1×195	925/0.50	27.5	34.5	0.160	0.108	2425.6	2498
1×240	1221/0.50	30.5	38.0	0.0801	0.0817	3081.3	3166.2
1×300	1525/0.50	33.5	41.5	0.0641	0.0654	3730.7	3825.2
1×400	2013/0.50	37.5	46.5	0.0486	0.0495	4934	5048.2
2×1.5	30/0.25	9.0	11.5	13.3	13.7	132	146.6
2×2.5	49/0.25	10.5	13.5	7.98	8.21	203.6	223.9
2×4	56/0.30	12.0	15.0	4.95	5.09	280.2	305.6
2×6	84/0.30	13.5	18.5	3.30	3.39	412.2	448.2
2×10	84/0.40	18.5	24.0	1.91	1.95	669.1	732.8
2×16	126/0.40	21.0	27.5	1.21	1.24	906.6	988.5
2×25	196/0.40	24.5	31.5	0.780	0.795	1144.3	1229.4
2×4	56/0.30	12.0	15.0	4.95	5.09	280.2	305.6
2×6	84/0.30	13.5	18.5	3.30	1.95	412.2	448.2
2×10	84/0.40	18.5	24.0	1.91	3.39	669.1	732.8
2×16	126/0.40	21.0	27.5	1.21	1.95	906.6	988.5
2×25	196/0.40	24.5	31.5	0.780	1.24	1144.3	1229.4
2×35	276/0.40	27.5	35.5	0.554	0.795	1505.5	1610.4
2×50	396/0.40	32.0	41.0	0.386	0.565	2464.2	2655.7
2×70	360/0.50	36.0	46.0	0.272	0.393	3254.8	3484.3
2×95	475/0.50	40.5	50.5	0.206	0.277	4144.3	4423.0
3×1.5	30/0.25	9.6	12.5	13.3	0.210	156.0	171.0
3×2.5	49/0.25	11.5	14.5	7.98	13.7	246.1	266.9
3×4	56/0.30	13.0	16.0	4.95	8.21	305.6	325.2
3×6	84/0.30	14.1	18.0	3.30	3.39	381	389
3×10	84/0.40	20.0	25.5	1.91	1.95	822.3	895.6
3×16	126/0.40	22.5	29.5	1.21	1.24	1075.8	1152.8
3×25	196/0.40	26.5	34.0	0.780	0.795	1514.3	1725.4
3×35	276/0.40	29.5	38.0	0.554	0.565	789.3	1956.0

Table4

Cores× Nominal Section (mm ²)	Conductive Core (mm)	Average Outer Diameter (mm)		20℃Conductor Resistance ≤(Ω/km)		Reference Weight (kg/km)	
	Number/Diameter of Core	Minimun	Maximun Limit	Copper Core	Tinning Copper Core	YC	YCW
3×50	396/0.40	34.5	43.5	0.386	0.393	2880.3	3057.8
3×70	360/0.50	38.5	49.5	0.272	0.277	3879.3	4109.2
3×95	475/0.50	44.0	54.0	0.206	0.210	4974.5	5250.8
3×120	608/0.50	48.0	59.0	0.161	0.164	5933.3	6253.3
3×150	756/0.50	53.0	66.5	0.129	0.132	7343.4	7740.9
4×1.5	30/0.25	10.5	15.5	13.3	13.7	188.6	205.6
4×2.5	49/0.25	12.5	15.5	7.98	8.21	300.5	323.7
4×4	56/0.30	14.5	18.0	4.95	5.09	438.4	469.5
4×6	84/0.30	16.5	22.0	3.30	3.39	643.2	686.0
4×10	84/0.40	21.5	28.0	1.91	1.95	1106.0	1097.7
4×16	126/0.40	24.5	32.0	1.21	1.24	1380.0	1473.9
4×25	196/0.40	29.5	37.5	0.780	0.795	2011.8	2137.3
4×35	276/0.40	33.3	42.0	0.554	0.565	2637.2	2792.7
4×50	396/0.40	38.0	48.5	0.386	0.393	3634.4	3838.4
4×70	360/0.50	43.0	55.0	0.272	0.277	4861.7	5118
4×95	475/0.50	49.0	60.5	0.206	0.210	6425.5	6551
4×120	608/0.50	53.0	65.5	0.161	0.164	7479.6	7836
4×150	756/0.50	59.0	74.0	0.129	0.132	9302.4	9753
3×25 + 1×1.5	49/0.25 + 30/0.25	12.5	15.5	7.98	8.21	282.7	305.6
3×4 + 1×1.5	56/0.30 + 49/0.25	14.5	17.5	4.95	5.09	406.8	435.7
3×6 + 1×4	84/0.30 + 56/0.30	16.0	21.0	3.30	3.39	600.1	640.3
3×10 + 1×6	84/0.40 + 84/0.30	20.5	26.5	1.91	1.95	925.1	990.9
3×16 + 1×6	126/0.40 + 84/0.40	23.0	30.5	1.21	1.24	1253.9	1341.5
3×25 + 1×10	196/0.40 + 84/0.40	28.0	35.5	0.780	0.795	1823.2	1941.3
3×35+1×10	276/0.40 + 84/0.40	30.0	38.5	0.554	0.565	1980.4	2115.9
3×50+1×16	396/0.40 + 126/0.40	36.0	46.0	0.386	0.393	3243.4	3439.7
3×70+1×25	360/0.50 + 196/0.40	40.0	51.0	0.272	0.277	4504.4	4772.6
3×95+1×35	475/0.50 + 276/0.40	44.0	55.0	0.206	0.210	5553.5	5838.3
3×120+1×35	608/0.50 + 276/0.40	46.5	59.0	0.161	0.164	6362.1	6662.4
3×150+1×50	756/0.50 + 396/0.40	52.0	66.0	0.129	0.132	7889.3	8252.6
5×1.5	30/0.25	11.5	15.0	13.3	13.7	221.4	240.6
5×2.5	49/0.25	13.5	17.0	7.98	8.21	347.6	372.7
5×4	56/0.30	16.0	19.5	4.95	5.09	497.1	528.9
5×6	84/0.30	18.0	24.5	3.30	3.39	765.7	815.0
5×10	84/0.40	24.0	31.0	1.91	1.95	1205.2	1289.0
5×16	126/0.40	27.0	35.5	1.21	1.24	1668.8	1777.0
5×25	196/0.40	32.5	41.5	0.780	0.795	2434.3	2587.1

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1×25	196/0.40	12.5	16.5	0.780	0.795	425.6	466.2
1×35	276/0.40	14.3	17.9	0.554	0.565	584	591
1×50	396/0.40	16.5	21.0	0.386	0.393	758.4	788.4
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1×300	1525/0.50	33.5	41.5	0.0641	0.0654	3730.7	3825.2
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3×150	756/0.50	53.0	66.5	0.129	0.132	7343.4	7740.9
4×1.5	30/0.25	10.5	15.5	13.3	13.7	188.6	205.6
4×2.5	49/0.25	12.5	15.5	7.98	8.21	300.5	323.7
4×4	56/0.30	14.5	18.0	4.95	5.09	438.4	469.5
4×6	84/0.30	16.5	22.0	3.30	3.39	643.2	686.0
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4×150	756/0.50	59.0	74.0	0.129	0.132	9302.4	9753
3×25 + 1×1.5	49/0.25 + 30/0.25	12.5	15.5	7.98	8.21	282.7	305.6
3×4 + 1×1.5	56/0.30 + 49/0.25	14.5	17.5	4.95	5.09	406.8	435.7
3×6 + 1×4	84/0.30 + 56/0.30	16.0	21.0	3.30	3.39	600.1	640.3
3×10 + 1×6	84/0.40 + 84/0.30	20.5	26.5	1.91	1.95	925.1	990.9
3×16 + 1×6	126/0.40 + 84/0.40	23.0	30.5	1.21	1.24	1253.9	1341.5
3×25 + 1×10	196/0.40 + 84/0.40	28.0	35.5	0.780	0.795	1823.2	1941.3
3×35+1×10	276/0.40 + 84/0.40	30.0	38.5	0.554	0.565	1980.4	2115.9
3×50+1×16	396/0.40 + 126/0.40	36.0	46.0	0.386	0.393	3243.4	3439.7
3×70+1×25	360/0.50 + 196/0.40	40.0	51.0	0.272	0.277	4504.4	4772.6
3×95+1×35	475/0.50 + 276/0.40	44.0	55.0	0.206	0.210	5553.5	5838.3
3×120+1×35	608/0.50 + 276/0.40	46.5	59.0	0.161	0.164	6362.1	6662.4
3×150+1×50	756/0.50 + 396/0.40	52.0	66.0	0.129	0.132	7889.3	8252.6
5×1.5	30/0.25	11.5	15.0	13.3	13.7	221.4	240.6
5×2.5	49/0.25	13.5	17.0	7.98	8.21	347.6	372.7
5×4	56/0.30	16.0	19.5	4.95	5.09	497.1	528.9
5×6	84/0.30	18.0	24.5	3.30	3.39	765.7	815.0
5×10	84/0.40	24.0	31.0	1.91	1.95	1205.2	1289.0
5×16	126/0.40	27.0	35.5	1.21	1.24	1668.8	1777.0
5×25	196/0.40	32.5	41.5	0.780	0.795	2434.3	2587.1

5. Current Carring Capacity of General Rubber Sheath Flexible Cable

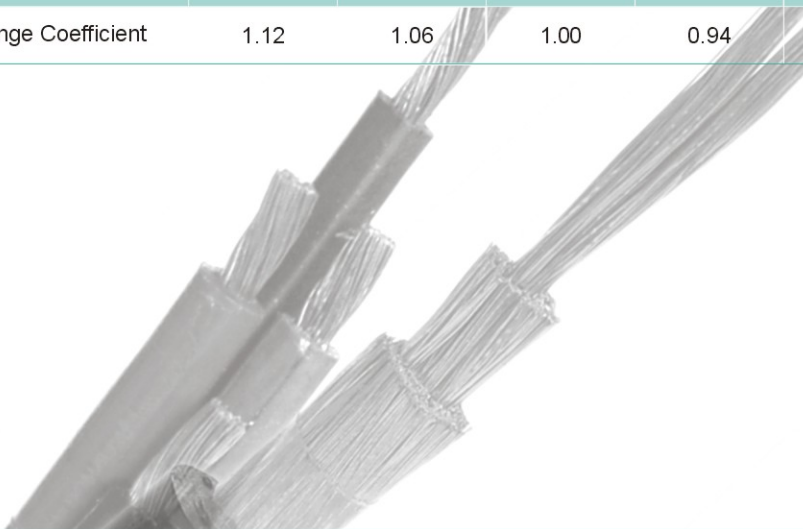
Table5

Main Core Section (mm²)	Long Time Continuting Current Carring Capacity						
	YZ、YZW			YC、YCW			
	2-core	3-core	4-core	1-core	2-core	3-core	4-core
0.75	14	12	11				
1.0	17	14	13				
1.5	21	18	18				
2.0	26	22	22				
2.5	30	25	25	37	30	26	27
4.0	41	35	35	47	39	34	34
6.0	53	45	45	52	51	44	44
10				75	74	63	63
16				112	96	84	84
25				148	135	115	116
35				188	167	142	143
50				226	208	176	177

Conversion Coefficient of Current Carring Capacity of Different Surrounding Temperature

Table6

Surrounding Temperature	15	20	25	30	35	40
Exchange Coefficient	1.12	1.06	1.00	0.94	0.87	0.97



Welding Cable (GB5013-93)

1. Service Conditions

This product is suitable for the welding machine whose voltage to the ground is not more than 200V and pulsating current value is 400V.

2. Model,Names and Work In the Temperture (See Table 1)

Table1

Model	Name	Working Temperature of Core≤(°C)
YH	Natural Rubber Sheath for Welding Cable	65
YHF	Horoprene Rubber or Other Synthetic Sheath Welding Cable	65

3. Specifications,Size,Weight and Technical Data (See Table 2)

Table2

Conductor Nominal Section (mm²)	Conductive Core Number/Diameter of Core (mm)	Thickness of Section Sheath (mm)	Average Outer Diameter (mm)		20℃ Conductor Resistance ≤(Ω / km)	Reference Weight (Kg / km)	
			Min	Max		YH	YHF
10	322/0.20	1.8	7.5	9.7	1.91	146	153.51
16	513/0.20	2.0	9.2	11.5	1.16	218.9	230.44
25	798/0.20	2.0	10.5	13.0	0.758	316.6	331.15
35	1121/0.20	2.0	11.5	14.5	0.536	426	439.87
50	1596/0.20	2.2	13.5	17.0	0.379	592.47	610.55
70	2214/0.20	2.4	15.0	19.5	0.268	790	817.52
95	2997/0.20	2.6	17.0	22.0	0.198	1066.17	1102.97
120	1702/0.30	2.8	19.0	24.0	0.161	1348.25	1392.55
150	2135/0.30	3.0	21.0	27.0	0.129	1678.5	1698.72
185	1443/0.40	3.2	22.0	29.0	0.106	1983.8	2020.74

4. Delivery Requirements

If cable is packed in circle , its length should be 100m long . If it is packed in bundle , its length should be no less than 100m.The short cable which are no less than 20m are permissible to delivery . The quantity of short cable should be no more than 10% of the whole delivery . If mutual agreement is made , everything will be done according to the agreement .