

0.6/1KV 聚氯乙烯绝缘电力电缆 VVR VVRP
0.6/1KV PVC insulated power cable EKF10300



VVR 铜芯聚氯乙烯绝缘聚氯乙烯护套电力电缆

VVR Copper core PVC insulated PVC sheathed flexible power cable

VVRP 铜芯聚氯乙烯绝缘聚氯乙烯护套铜丝编织屏蔽软电力电缆

VVRP Conductor PVC insulated and sheathed copper wire braided shield flexible power cable

◆ 应用标准：

企业标准

◆ 产品描述：

导线：导体符合GB3956第5种或第6种软导体要求

绝缘：PVC/D型聚氯乙烯绝缘

颜色：绝缘线芯颜色表示，5芯及以下一般应采用颜色识别，5芯以上可以采用颜色识别和数字识别

芯线结构：中间可以填充绞合成缆，成缆后可有PP带或无纺布带缓冲

屏蔽：裸铜丝编织屏蔽

护套：PVC/ST5专用护套，黑色或灰色

◆ 技术参数：

额定电压：U0/U 0.6/1KV

测试电压：绝缘厚度≥0.6以上的：3000V, 成品测试：3000V

最小弯曲半径

移动安装：6×D（电缆外径）

使用温度：-15至+70℃

燃烧实验：通过GB/T18380.1-2001试验

特性：良好的柔软弯曲性，良好的耐油性、耐潮性带有屏蔽的电缆特别具有抗电磁干扰的能力。

◆ 典型应用：

1) 适用动力传输电缆

2) 适用动力传输需要屏蔽的场所

符合认证：ROHS

◆ Application criteria：

Enterprise standards

◆ Product Description：

Conductor:Conductor conform to the requirements of the soft GB3956 fifth or sixth kind

Insulation:PVC/D type PVC insulated

Colors:Insulation wire color said,generally should be used under five core and color recognition,

Conductor structure:more than 5 core can use color recognition and digital recognition twisted with ropes to increase tension stress,after this can add PP

tape,aluminium myra or non-moven belt as buffer

Shielding:Bare copper wire braided shielding

Sheath:PVC/ST5 special jacket,black or gray

◆ Technical parameters：

Rated voltage:U0/U 0.6/1kv

Rated voltage:Insulation thickness of more than 0.6 or more:3000V,finished product testing:3000V

Minimum bending radius

Fixed laying:6×D(cable diameter)

Temperature:-15℃to+70℃

Combustion experiment:by GB/T18380.1-2001 test

The main features

Good soft bending good oil resistance,resistant to moisture,with a special has the ability of resistance to electromagnetic interference shielding of the cable.

◆ Typical applications：

1)For power transmission cable

2)For power tranmission sites need to be shielded

Validation:ROHS

产品规格及参数

Product specifications and parameters

0.6/1kv 铜芯聚氯乙烯绝缘聚氯乙烯护套电力软电缆（VVR）

0.6/1kv Copper core PVC insulated PVC sheathed flexible power cable(VVR)

导体标称截面 Nominal cross section mm	绝缘厚度 mm Insulation thickness mm	护套厚度 mm Sheath thickness mm	电缆近似外径mm Approximate caba diameter mm	电缆近似重量 kg/km Approximate Cable Weight Kg/km	导体直流电阻 Conductor DC Resistance Ω/km	
					20℃ Cu	20℃ TXR
1*1.5	0.8	1.4	6.1	53.8	13.3	13.7
1*2.5	0.8	1.4	6.6	68.5	7.98	8.21
1*4	1.0	1.4	7.5	93.9	4.95	5.09
1*6	1.0	1.4	8.4	126.2	3.3	3.39
1*10	1.0	1.4	9.5	178.0	1.91	1.95
1*16	1.0	1.4	10.6	239.6	1.21	1.24
1*25	1.2	1.4	12.5	350.2	0.780	0.795
1*35	1.2	1.5	14.7	468.3	0.554	0.565
1*50	1.4	1.5	16.1	643.4	0.386	0.393
1*70	1.4	1.5	18.6	872.4	0.272	0.277
1*95	1.6	1.6	20.8	1133.7	0.206	0.21
1*120	1.6	1.7	22.7	1378.3	0.161	0.164
1*150	1.8	1.8	26.4	1782.1	0.129	0.132
1*185	2.0	1.8	27.9	2165.7	0.106	0.108
1*240	2.2	1.9	30.4	2752.0	0.0801	0.0817
1*300	2.4	2.1	31.0	3146.4	0.0641	0.0654
1*400	2.6	2.2	39.6	4516.6	0.0486	0.0495
1*500	2.8	2.3	43.7	5587.3	0.0384	0.0391
1*630	2.8	2.5	48.2	6940.8	0.0287	0.0292
2*1.5	0.8	1.8	10.5	117.6	13.3	13.7
2*2.5	0.8	1.8	11.5	133.1	7.98	8.21
2*4	1.0	1.8	13.3	205.7	4.95	5.09
2*6	1.0	1.8	15.1	266.8	3.3	3.39
2*10	1.0	1.8	17.3	378.6	1.91	1.95
2*16	1.0	1.8	18.5	510.3	1.21	1.24
2*25	1.2	1.8	23.3	739.6	0.78	0.795
2*35	1.2	1.8	27.3	982.9	0.554	0.565
2*50	1.4	1.9	30.3	1339.8	0.386	0.393
2*70	1.4	2.1	35.7	1823.1	0.272	0.277
2*95	1.6	2.2	39.9	2375.4	0.206	0.21
2*120	1.6	2.4	43.7	2894.3	0.161	0.164
2*150	1.8	2.6	51.5	3743.3	0.129	0.132
2*185	2.0	2.7	54.3	4547.6	0.106	0.108
3*1.5	0.8	1.8	10.9	145.1	13.3	13.7
3*2.5	0.8	1.8	12.0	169.5	7.98	8.21
3*4	1.0	1.8	14.0	266.0	4.95	5.09
3*6	1.0	1.8	15.9	350.7	3.30	3.39
3*10	1.0	1.8	18.3	512.3	1.91	1.95
3*16	1.0	1.8	20.6	700.5	1.21	1.24
3*25	1.2	1.8	24.7	1030.6	0.78	0.795
3*35	1.2	1.9	29.2	1396.7	0.554	0.565
3*50	1.4	2.0	32.5	1912.7	0.386	0.393
3*70	1.4	2.2	38.2	2636.4	0.272	0.277
3*95	1.6	2.3	42.8	3414.5	0.206	0.21

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0.6/1KV PVC insulated power cable EKF10300



导体标称截面 Nominal cross section mm	绝缘厚度 mm Insulation thickness mm	护套厚度 mm Sheath thickness mm	电缆近似外径mm Approximate cable diameter mm	电缆近似重量 kg/km Approximate Cable Weight Kg/km	导体直流电阻 Conductor DC Resistance Ω/km	
					20℃ Cu	20℃ TXR
3*120	1.6	2.5	46.8	4260.6	0.161	0.164
3*150	1.8	2.7	54.7	5412.3	0.129	0.132
3*185	2.0	2.8	58.2	6595	0.106	0.108
3*240	2.2	3.0	63.5	8325.1	0.0801	0.0817
3*300	2.4	3.3	72.9	10435.2	0.0641	0.0654
4*1.5	0.8	1.8	11.8	175.0	13.3	13.7
4*2.5	0.8	1.8	13.0	210.3	7.98	8.21
4*4	1.0	1.8	15.2	330.6	4.95	5.09
4*6	1.0	1.8	17.3	439.9	3.3	3.39
4*10	1.0	1.8	20.0	656.4	1.91	1.95
4*16	1.0	1.8	22.6	897.5	1.21	1.24
4*25	1.2	1.8	27.2	1330.1	0.78	0.795
4*35	1.2	2.0	32.5	1822.2	0.554	0.565
4*50	1.4	2.1	36	2505.4	0.386	0.393
4*70	1.4	2.3	42.5	3451.3	0.272	0.277
4*95	1.6	2.5	47.7	4498.8	0.206	0.21
4*120	1.6	2.6	52	5582.8	0.161	0.164
4*150	1.8	2.9	61	6962.9	0.129	0.132
4*185	2.0	3.0	64.9	8686.6	0.106	0.108
4*240	2.2	3.2	70.8	10980.4	0.0801	0.0817
4*300	2.4	3.6	81.1	13793.3	0.0641	0.0654
5*2.5	0.8	1.8	14	277.6	7.98	8.21
5*4	1.0	1.8	16.5	396.2	4.95	5.09
5*6	1.0	1.8	18.9	531.6	3.3	3.39
5*10	1.0	1.8	21.9	798.2	1.91	1.95
5*16	1.0	1.8	24.8	1096.3	1.21	1.24
5*25	1.2	1.9	30.2	1645.4	0.78	0.795
5*35	1.2	2.1	36	2253.5	0.554	0.565
5*50	1.4	2.2	40	3102.7	0.386	0.393
5*70	1.4	2.5	47.3	4297.7	0.272	0.277
5*95	1.6	2.7	53.1	5599.5	0.206	0.21
5*120	1.6	2.8	57.9	6911.9	0.161	0.164
5*150	1.8	3.2	68.1	8688.1	0.129	0.132
5*185	2.0	3.3	72.4	10795.7	0.106	0.108
5*240	2.2	3.5	79	13694.7	0.0801	0.0817
5*300	2.4	3.9	91.2	17194.6	0.0641	0.0654
3*4+1*2.5	1.0/0.8	1.8	14.6	315.1	4.95/7.98	5.09/8.21
3*6+1*4	1.0/1.0	1.8	16.8	422.8	3.30/4.95	3.39/5.09
3*10+1*6	1.0/1.0	1.8	19.3	612.9	1.91/3.30	1.95/3.39
3*16+1*10	1.0/1.0	1.8	22	847.9	1.21/1.91	1.24/1.95
3*25+1*16	1.2/1.0	1.8	26.1	1231.5	0.780/1.21	0.795/1.24
3*35+1*16	1.2/1.0	1.9	29.9	1591	0.554/1.21	0.565/1.24
3*50+1*25	1.4/1.2	1.0	33.8	2449.6	0.386/0.78	0.393/0.795
3*70+1*35	1.4/1.2	1.0	40	2932.6	0.272/0.554	0.277/0.565
3*95+1*50	1.6/1.4	1.0	44.7	3996.5	0.206/0.386	0.206/0.393
3*120+1*70	1.6/1.4	1.0	49.7	4945.7	0.161/0.272	0.164/0.277
3*150+1*70	1.8/1.4	1.0	56.4	6075.5	0.129/0.272	0.132/0.277
3*185+1*95	2.0/1.6	1.0	60.6	7494.8	0.106/0.206	0.108/0.21
3*240+1*120	2.2/1.6	1.0	66.2	9642.6	0.0801/0.161	0.0817/0.164
3*300+1*150	2.4/1.8	3.4	76.5	12084.3	0.0641/0.129	0.0654/0.132

导体标称截面 Nominal cross section mm	绝缘厚度 mm Insulation thickness mm	护套厚度 mm Sheath thickness mm	电缆近似外径mm Approximate cable diameter mm	电缆近似重量 kg/km Approximate Cable Weight Kg/km	导体直流电阻 Conductor DC Resistance Ω/km	
					20℃ Cu	20℃ TXR
3*4+2*2.5	1.0/0.8	1.8	15.5	356.7	4.95/7.98	5.09/8.21
3*6+2*4	1.0/1.0	1.8	18	485.7	3.30/4.95	3.39/5.09
3*10+2*6	1.0/1.0	1.8	20.7	701	1.91/3.30	1.95/3.39
3*16+2*10	1.0/1.0	1.8	23.7	987.1	1.21/1.91	1.24/1.95
3*25+2*16	1.2/1.0	1.0	37.9	1428.6	0.780/1.21	0.795/1.24
3*35+2*16	1.2/1.0	1.0	31.4	1779.7	0.554/1.21	0.565/1.24
3*50+2*25	1.4/1.2	1.0	36	2519.7	0.386/0.780	0.393/0.795
3*70+2*35	1.4/1.2	1.0	42.6	3468.7	0.272/0.554	0.277/0.565
3*95+2*50	1.6/1.4	1.0	47.7	4591.2	0.206/0.386	0.206/0.393
3*120+2*70	1.6/1.4	2.7	53.7	5800.1	0.161/0.272	0.164/0.277
3*150+2*70	1.8/1.4	2.8	59.6	6896.3	0.129/0.272	0.132/0.277
3*185+2*95	2.0/1.6	3.0	64.6	8567.9	0.106/0.206	0.108/0.210
3*240+2*120	2.2/1.6	3.2	70.6	10911.2	0.0801/0.161	0.0817/0.164
3*300+2*150	2.4/1.8	3.6	81.7	13778.8	0.0641/0.129	0.0654/0.132
4*4+1*2.5	1.0/0.8	1.8	16	383.1	4.95/7.98	5.09/8.21
4*6+1*4	1.0/1.0	1.8	18.5	514.5	3.30/4.95	3.39/5.09
4*10+1*6	1.0/1.0	1.8	21.3	754.7	1.91/3.30	1.95/3.39
4*16+1*10	1.0/1.0	1.8	24.3	1046.6	1.21/1.91	1.24/1.95
4*25+1*16	1.2/1.0	1.8	29	1548.9	0.780/1.21	0.795/1.24
4*35+1*16	1.2/1.0	1.0	33.5	1997.4	0.554/1.21	0.565/1.24
4*50+1*25	1.4/1.2	2.1	38	2820.1	0.386/0.780	0.393/0.795
4*70+1*35	1.4/1.2	2.4	45	3883.9	0.272/0.554	0.277/0.565
4*95+1*50	1.6/1.4	2.6	50.5	5094.7	0.206/0.386	0.206/0.393
4*120+1*70	1.6/1.4	2.7	55.7	6277.2	0.161/0.272	0.164/0.277
4*150+1*70	1.8/1.4	3.0	63.9	7760.2	0.129/0.272	0.132/0.277
4*185+1*95	2.0/1.6	3.2	68.6	9597.9	0.106/0.206	0.108/0.210
4*240+1*120	2.2/1.6	3.4	74.9	12313.4	0.0801/0.161	0.0817/0.164
4*300+1*150	2.4/1.8	3.8	86.4	15513	0.0641/0.129	0.0654/0.132

0.6/1KV 铜芯聚氯乙烯绝缘聚氯乙烯护套铜丝编织屏蔽软电力电缆（VVRP）
0.6/1kv Conductor PVC Insulated and sheathed copper wire braided shield flexible power
cable(VVRP)

导体标称截面 Nominal cross section mm	绝缘厚度 mm Insulation thickness mm	护套厚度 mm Sheath thickness mm	电缆近似外径mm Approximate cable diameter mm	电缆近似重量 kg/km Approximate Cable Weight Kg/km	导体直流电阻 Conductor DC Resistance Ω/km	
					20℃ Cu	20℃ TXR
1*1.5	0.8	1.8	7.3	74.8	13.3	13.7
1*2.5	0.8	1.8	7.8	80.8	7.98	8.21
1*4	1.0	1.8	8.7	120.8	4.95	5.09
1*6	1.0	1.8	9.6	160.6	3.30	3.39
1*10	1.0	1.8	10.7	213.6	1.91	1.95
1*16	1.0	1.8	11.8	283.2	1.21	1.24
1*25	1.2	1.8	13.7	401.9	0.780	0.80
1*35	1.2	1.8	15.7	500.0	0.554	0.565
1*50	1.4	1.8	17.1	679.2	0.386	0.393
1*70	1.4	1.8	19.6	914.2	0.272	0.277
1*95	1.6	1.8	21.6	1201.2	0.206	0.21

0.6/1KV 聚氯乙烯绝缘电力电缆 VVR VVRP
0.6/1KV PVC insulated power cable EKF10300



导体标称截面	绝缘厚度 mm	护套厚度 mm	电缆近似外径mm	电缆近似重量 kg/km	导体直流电阻	
Nominal cross section mm	Insulation thickness mm	Sheath thickness mm	Approximate cable diameter mm	Approximate Cable Weight	Conductor DC Resistance Ω/km	
				Kg/km	20°C Cu	20°C TXR
1*120	1.6	1.8	23.3	1439.9	0.161	0.164
1*150	1.8	1.8	26.8	1817.8	0.129	0.132
1*185	2.0	1.8	28.3	2225.7	0.106	0.108
1*240	2.2	2.0	31	2819.3	0.0801	0.0817
1*300	2.4	2.1	31.9	3245	0.0641	0.0654
1*400	2.6	2.2	40	4628.5	0.0495	0.0495
1*500	2.8	2.3	44.2	5711.3	0.0391	0.0391
1*630	2.8	2.5	48.9	7077.4	0.0287	0.0292
2*1.5	0.8	1.8	10.9	134.6	13.3	13.7
2*2.5	0.8	1.8	11.9	154.7	7.98	8.21
2*4	1.0	1.8	13.7	232.9	4.95	5.09
2*6	1.0	1.8	15.5	295	3.3	3.39
2*10	1.0	1.8	17.7	415.8	1.91	1.95
2*16	1.0	1.8	19.9	550.1	1.21	1.24
2*25	1.2	1.8	23.7	792	0.78	0.795
2*35	1.2	1.8	27.7	1044.1	0.554	0.565
2*50	1.4	1.9	30.7	1409.5	0.386	0.393
2*70	1.4	2.1	36.1	1903	0.272	0.277
2*95	1.6	2.2	40.3	2467.5	0.206	0.21
2*120	1.6	2.4	44.1	3021.2	0.161	0.164
2*150	1.8		51.3	3792.4	0.129	0.132
2*185	2.0	2.7	54.7	4641.6	0.106	0.108
3*1.5	0.8	1.8	11.3	166.7	13.3	13.7
3*2.5	0.8	1.8	12.4	193.5	7.98	8.21
3*4	1.0	1.8	14.4	291.9	4.95	5.09
3*6	1.0	1.8	16.3	381.7	3.30	3.39
3*10	1.0	1.8	18.7	553.3	1.91	1.95
3*16	1.0	1.8	21.0	742.9	1.21	1.24
3*25	1.2	1.8	25.1	1086.4	0.780	0.80
3*35	1.2	1.9	29.6	1464.1	0.554	0.565
3*50	1.4	2.0	32.9	1987.0	0.386	0.393
3*70	1.4	2.2	38.6	2727.5	0.272	0.277
3*95	1.6	2.3	43.1	3514.3	0.206	0.210
3*120	1.6	2.5	47.2	4338.5	0.161	0.164
3*150	1.8	2.8	55.3	5528.1	0.129	0.132
3*185	2.0	2.8	58.6	6669.0	0.106	0.108
3*240	2.2	3.0	63.9	8511.1	0.080	0.082
3*300	2.4	3.3	80.0	10643.1	0.064	0.065
4*1.5	0.8	1.8	12.2	199.2	13.3	13.7
4*2.5	0.8	1.8	13.4	236.3	7.98	8.21
4*4	1.0	1.8	15.6	359.0	4.95	5.09
4*6	1.0	1.8	17.7	477.1	3.30	3.39
4*10	1.0	1.8	20.4	700.1	1.91	1.95
4*16	1.0	1.8	23.0	948.5	1.21	1.24
4*25	1.2	1.8	27.6	1393.1	0.780	0.80
4*35	1.2	1.9	32.7	1896.9	0.554	0.565
4*50	1.4	2.1	36.4	2588.6	0.386	0.393
4*70	1.4	2.3	42.9	3550.5	0.272	0.277
4*95	1.6	2.5	48.1	4674.2	0.206	0.210
4*120	1.6	2.6	52.4	5687.2	0.161	0.164

导体标称截面	绝缘厚度 mm	护套厚度 mm	电缆近似外径mm	电缆近似重量 kg/km	导体直流电阻	
Nominal cross section mm	Insulation thickness mm	Sheath thickness mm	Approximate cable diameter mm	Approximate Cable Weight	Conductor DC Resistance Ω/km	
				Kg/km	20°C Cu	20°C TXR
4*150	1.8	2.8	61.2	7141.3	0.129	0.132
4*185	2.0	3.0	65.3	8771.6	0.106	0.108
4*240	2.2	3.2	71.2	11187.7	0.080	0.082
4*300	2.4	3.6	82.2	14026.1	0.064	0.065
5*2.5	0.8	1.8	14.4	307.0	7.98	8.21
5*4	1.0	1.8	16.9	428.4	4.95	5.09
5*6	1.0	1.8	19.3	574.2	3.30	3.39
5*10	1.0	1.8	22.3	846.9	1.91	1.95
5*16	1.0	1.8	25.2	1152.4	1.21	1.24
5*25	1.2	1.9	30.6	1714.9	0.780	0.80
5*35	1.2	2.1	36.4	2336.4	0.554	0.565
5*50	1.4	2.2	40.4	3195.4	0.386	0.393
5*70	1.4	2.5	47.7	4408.2	0.272	0.277
5*95	1.6	2.7	53.5	5754.3	0.206	0.210
5*120	1.6	2.8	58.3	7662.0	0.161	0.164
5*150	1.8	3.2	68.5	8887.3	0.129	0.132
5*185	2.0	3.3	72.8	10801.0	0.106	0.108
5*240	2.2	3.5	79.4	13962.2	0.080	0.082
5*300	2.4	3.9	91.8	17427.3	0.064	0.065
3*4+1*2.5	1.0/0.8	1.8	15.0	350.3	4.95/7.98	5.09/8.21
3*6+1*4	1.0/1.0	1.8	17.2	465.5	3.30/4.95	3.39/5.09
3*10+1*6	1.0/1.0	1.8	19.7	665.0	1.91/3.30	1.95/3.39
3*16+1*10	1.0/1.0	1.8	22.4	907.0	1.21/1.91	1.24/1.95
3*25+1*16	1.2/1.0	1.8	26.5	1304.3	0.780/1.21	0.795/1.24
3*35+1*16	1.2/1.0	1.9	30.3	1665.1	0.554/1.21	0.565/1.24
3*50+1*25	1.4/1.2	2.0	34.2	2546.5	0.386/0.780	0.393/0.795
3*70+1*35	1.4/1.2	2.2	40.3	3022.8	0.272/0.554	0.277/0.565
3*95+1*50	1.6/1.4	2.4	45.2	4120.9	0.206/0.386	0.206/0.393
3*120+1*170	1.6/1.4	2.5	50.0	5083.2	0.161/0.272	0.164/0.277
3*150+1*70	1.8/1.4	2.8	56.9	6227.7	0.129/0.272	0.132/0.277

0.6/1KV 聚氯乙烯绝缘电力电缆 VVR VVRP

0.6/1KV PVC insulated power cable EKF10300

导体标称截面	绝缘厚度 mm	护套厚度 mm	电缆近似外径mm	电缆近似重量 kg/km	导体直流电阻	
Nominal cross section mm	Insulation thickness mm	Sheath thickness mm	Approximate cable diameter mm	Approximate Cable Weight	Conductor DC Resistance Ω/km	
				Kg/km	20°C Cu	20°C TXR
3*185+1*95	2.0/1.6	2.9	61	7657.9	0.106/0.206	0.108/0.210
3*240+1*120	2.2/1.6	3.1	66.6	9831.6	0.0801/0.161	0.0817/0.164
3*300+1*150	2.4/1.8	3.4	77.0	12302.8	0.0641/0.129	0.0654/0.132
3*4+2*2.5	1.0/0.8	1.8	15.9	397.8	4.95/7.98	5.09/8.21
3*6+2*4	1.0/1.0	1.8	18.3	533.7	3.30/4.95	3.39/5.09
3*10+2*6	1.0/1.0	1.8	21.1	756.6	1.91/3.30	1.95/3.39
3*16+2*10	1.0/1.0	1.8	24.3	1050.4	1.21/1.91	1.24/1.95
3*25+2*16	1.2/1.0	1.8	28.3	1507.0	0.780/1.21	0.795/1.24
3*35+2*16	1.2/1.0	1.9	31.8	1877.4	0.554/1.21	0.565/1.24
3*50+2*25	1.4/1.2	2.0	36.7	2620.0	0.386/0.780	0.393/0.795
3*70+2*35	1.4/1.2	2.2	43.0	3588.0	0.272/0.554	0.277/0.565
3*95+2*50	1.6/1.4	2.4	48.0	4721.3	0.206/0.386	0.206/0.393
3*120+2*70	1.6/1.4	2.7	54.1	5945.5	0.161/0.272	0.164/0.277
3*150+2*70	1.8/1.4	2.8	60.0	7056.7	0.129/0.272	0.132/0.277
3*185+2*95	2.0/1.6	3.0	65.0	8759.0	0.106/0.206	0.108/0.210
3*240+2*120	2.2/1.6	3.2	70.9	11184.0	0.0801/0.161	0.0817/0.164
3*300+2*150	2.4/1.8	3.6	82.2	14012.1	0.0641/0.129	0.0654/0.132
4*4+1*2.5	1.0/0.8	1.8	16.4	421.0	4.95/7.98	5.09/8.21
4*6+1*4	1.0/1.0	1.8	18.8	564.3	3.30/4.95	3.39/5.09
4*10+1*6	1.0/1.0	1.8	21.7	811.7	1.91/3.30	1.95/3.39
4*16+1*10	1.0/1.0	1.8	26.4	1111.7	1.21/1.91	1.24/1.95
4*25+1*16	1.2/1.0	1.8	29.3	1630.4	0.780/1.21	0.795/1.24
4*35+1*16	1.2/1.0	1.9	33.9	2091.1	0.554/1.21	0.565/1.24
4*50+1*25	1.4/1.2	2.0	38.1	2927.1	0.386/0.780	0.393/0.795
4*70+1*35	1.4/1.2	2.4	45.4	4009.8	0.272/0.554	0.277/0.565
4*95+1*50	1.6/1.4	2.6	50.9	5230.2	0.206/0.386	0.206/0.393
4*120+1*70	1.6/1.4	2.7	56.1	6426.8	0.161/0.272	0.164/0.277
4*150+1*70	1.8/1.4	3.0	64.3	7932.1	0.129/0.272	0.132/0.277
4*185+1*95	2.0/1.6	3.2	69.0	9894.0	0.106/0.206	0.108/0.210
4*240+1*120	2.2/1.6	3.4	75.3	12525.4	0.0801/0.161	0.0817/0.164
4*300+1*150	2.4/1.8	3.8	87.0	15759.6	0.0641/0.129	0.0654/0.132