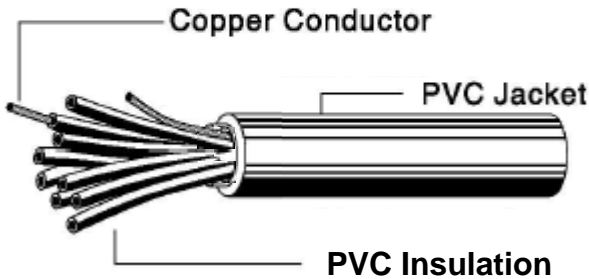


Multi-Conductor Construction

VCTF and HVCTF

Product Description

1. Conductor: Bare copper
2. Insulation: PVC
3. Jacket: PVC
4. Rated temperature: 60°C~105°C
5. Rated voltage: 300V



Application: Control cable for electric equipment and machine etc.

VCTF and HVCTF

Part No.	Conductor		NO. Of Core	Insulation Thickness mm	Insulation Diameter mm	Jacket Thickness mm	Overall Diameter mm	Weight kg/100m
	Sec. area	No./mm						
GNCC0200	0.5mm ²	20/0.18	2	0.6	2.1	1.0	6.3	5.0
GNCC0300			3	0.6	2.1	1.0	6.7	6.0
GNCC0400			4	0.6	2.1	1.0	7.2	7.0
GNCC0500			5	0.6	2.1	1.0	7.8	9.0
GNCC0600			6	0.6	2.1	1.0	8.4	10.0
GNCC0700			7	0.6	2.1	1.0	8.4	11.0
GNCC0800			8	0.6	2.1	1.0	9.1	12.0
GNCC0900			9	0.6	2.1	1.0	9.7	14.0
GNCC1000			10	0.6	2.1	1.0	10.5	15.0
GNCC1100			11	0.6	2.1	1.0	10.5	16.0
GNCC1200			12	0.6	2.1	1.0	10.9	17.0
GNCC1300			13	0.6	2.1	1.0	11.4	19.0
GNCC1400			14	0.6	2.1	1.0	11.4	19.0
GNCC1500			15	0.6	2.1	1.0	11.7	20.0
GNCC1600			16	0.6	2.1	1.0	12.0	22.0
GNCC1700			17	0.6	2.1	1.0	12.6	23.0
GNCC1800			18	0.6	2.1	1.0	12.6	24.0
GNCC1900			19	0.6	2.1	1.0	12.6	25.0
GNCC2000			20	0.6	2.1	1.0	13.3	26.0
GNCC2100			21	0.6	2.1	1.0	13.3	27.0
GNCC2200			22	0.6	2.1	1.0	13.9	29.0
GNCC2300			23	0.6	2.1	1.0	13.9	29.0
GNCC2400			24	0.6	2.1	1.0	14.7	32.0
GNCC2500			25	0.6	2.1	1.0	14.7	32.0
GNCC2600			26	0.6	2.1	1.0	14.7	33.0
GNCC2700			27	0.6	2.1	1.0	15.1	35.0
GNCC2800			28	0.6	2.1	1.0	15.1	35.0
GNCC2900			29	0.6	2.1	1.0	15.6	37.0
GNCC3000			30	0.6	2.1	1.0	15.6	38.0

Multi-Conductor

VCTF and HVCTF

VCTF and HVCTF

Part No.	Conductor		NO. Of Core	Insulation Thickness mm	Insulation Diameter mm	Jacket Thickness mm	Overall Diameter mm	Weight kg/100m
	Sec. area	No./mm						
GNCD0200	0.75mm ²	30/0.18	2	0.6	2.3	1.0	6.6	6.0
GNCD0300			3	0.6	2.3	1.0	7.0	7.0
GNCD0400			4	0.6	2.3	1.0	7.6	9.0
GNCD0500			5	0.6	2.3	1.0	8.2	10.5
GNCD0600			6	0.6	2.3	1.0	8.9	12.0
GNCD0700			7	0.6	2.3	1.0	8.9	12.7
GNCD0800			8	0.6	2.3	1.0	10.0	15.5
GNCD0900			9	0.6	2.3	1.0	10.5	17.0
GNCD1000			10	0.6	2.3	1.0	12.0	20.0
GNCD1100			11	0.6	2.3	1.0	12.3	20.0
GNCD1200			12	0.6	2.3	1.0	12.5	22.5
GNCD1300			13	0.6	2.3	1.0	12.6	23.0
GNCD1400			14	0.6	2.3	1.0	12.6	24.0
GNCD1500			15	0.6	2.3	1.0	12.6	26.0
GNCD1600			16	0.6	2.3	1.0	13.2	28.0
GNCD1700			17	0.6	2.3	1.0	13.6	29.0
GNCD1800			18	0.6	2.3	1.0	13.6	30.0
GNCD1900			19	0.6	2.3	1.0	13.6	31.0
GNCD2000			20	0.6	2.3	1.0	15.2	35.0
GNCD2100			21	0.6	2.3	1.0	15.2	35.5
GNCD2200			22	0.6	2.3	1.0	15.4	36.0
GNCD2300			23	0.6	2.3	1.0	15.4	37.0
GNCD2400			24	0.6	2.3	1.0	17.1	41.0
GNCD2500			25	0.6	2.3	1.0	17.1	42.0
GNCD2600			26	0.6	2.3	1.0	17.1	42.0
GNCD2700			27	0.6	2.3	1.0	17.4	44.0
GNCD2800			28	0.6	2.3	1.0	17.4	45.0
GNCD2900			29	0.6	2.3	1.0	17.8	47.0
GNCD3000			30	0.6	2.3	1.0	18.1	50.5
GNCR0200			1.0mm ²	40/0.18	2	0.6	2.5	1.0
GNCR0300	3	0.6			2.5	1.0	7.4	8.2
GNCR0400	4	0.6			2.5	1.0	8.0	10.5
GNCR0500	5	0.6			2.5	1.0	8.8	12.0
GNCR0600	6	0.6			2.5	1.0	9.5	14.0
GNCR0700	7	0.6			2.5	1.0	9.5	15.0
GNCR0800	8	0.6			2.5	1.0	11.2	18.5
GNCR0900	9	0.6			2.5	1.0	11.5	20.0
GNCR1000	10	0.6			2.5	1.0	12.9	23.5
GNCR1100	11	0.6			2.5	1.0	13.0	24.0
GNCR1200	12	0.6			2.5	1.0	13.3	26.5
GNCR1300	13	0.6			2.5	1.0	13.5	28.0
GNCR1400	14	0.6			2.5	1.0	13.5	29.0
GNCR1500	15	0.6			2.5	1.0	13.5	31.0
GNCR1600	16	0.6			2.5	1.0	15.1	34.5
GNCR1700	17	0.6			2.5	1.0	15.3	35.0
GNCR1800	18	0.6			2.5	1.0	15.3	36.0
GNCR1900	19	0.6			2.5	1.0	15.3	37.0
GNCR2000	20	0.6			2.5	1.0	16.2	41.5
GNCR2100	21	0.6			2.5	1.0	16.2	42.0
GNCR2200	22	0.6			2.5	1.0	16.4	44.0
GNCR2300	23	0.6			2.5	1.0	16.4	45.0
GNCR2400	24	0.6			2.5	1.0	18.3	50.0
GNCR2500	25	0.6			2.5	1.0	18.3	50.0
GNCR2600	26	0.6			2.5	1.0	18.3	51.0
GNCR2700	27	0.6			2.5	1.0	18.5	53.0
GNCR2800	28	0.6			2.5	1.0	18.5	54.0
GNCR2900	29	0.6			2.5	1.0	18.9	57.0
GNCR3000	30	0.6			2.5	1.0	19.3	60.0

Multi-Conductor

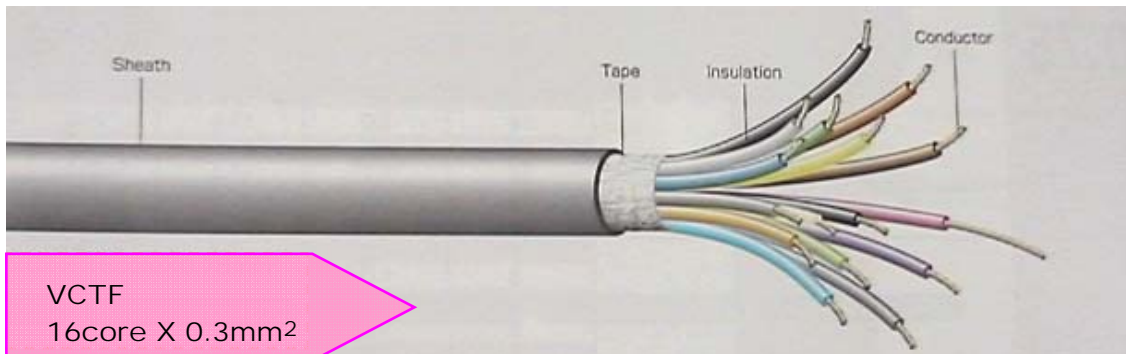
VCTF and HVCTF

VCTF and HVCTF

Part No.	Conductor		NO. Of Core	Insulation Thickness	Insulation Diameter	Jacket Thickness	Overall Diameter	Weight
	Sec. area	No./mm		mm	mm	mm	mm	kg/100m
GNCE0200	1.25mm ²	50/0.18	2	0.6	2.7	1.0	7.4	8.0
GNCE0300			3	0.6	2.7	1.0	7.8	9.5
GNCE0400			4	0.6	2.7	1.0	8.5	12.0
GNCE0500			5	0.6	2.7	1.0	9.3	14.0
GNCE0600			6	0.6	2.7	1.0	10.5	17.0
GNCE0700			7	0.6	2.7	1.0	10.5	18.5
GNCE0800			8	0.6	2.7	1.0	11.8	21.5
GNCE0900			9	0.6	2.7	1.0	12.3	23.0
GNCE1000			10	0.6	2.7	1.0	13.7	27.0
GNCE1100			11	0.6	2.7	1.0	13.8	28.0
GNCE1200			12	0.6	2.7	1.0	14.1	31.0
GNCE1300			13	0.6	2.7	1.0	14.3	33.0
GNCE1400			14	0.6	2.7	1.0	14.3	34.0
GNCE1500			15	0.6	2.7	1.0	14.4	36.0
GNCE1600			16	0.6	2.7	1.0	16.0	40.0
GNCE1700			17	0.6	2.7	1.0	16.3	41.0
GNCE1800			18	0.6	2.7	1.0	16.3	42.0
GNCE1900			19	0.6	2.7	1.0	16.3	44.0
GNCE2000			20	0.6	2.7	1.0	17.3	48.5
GNCE2100			21	0.6	2.7	1.0	17.3	49.0
GNCE2200			22	0.6	2.7	1.0	17.5	51.0
GNCE2300			23	0.6	2.7	1.0	17.5	53.0
GNCE2400			24	0.6	2.7	1.0	19.5	59.0
GNCE2500			25	0.6	2.7	1.0	19.5	59.0
GNCE2600			26	0.6	2.7	1.0	19.5	60.0
GNCE2700			27	0.6	2.7	1.0	19.8	63.0
GNCE2800			28	0.6	2.7	1.0	19.8	64.0
GNCE2900			29	0.6	2.7	1.0	20.2	67.0
GNCE3000			30	0.6	2.7	1.0	20.6	70.0
GNCF0200			2.0mm ²	37/0.26	2	0.6	3.0	1.0
GNCF0300	3	0.6			3.0	1.0	8.5	12.0
GNCF0400	4	0.6			3.0	1.0	9.3	15.0
GNCF0500	5	0.6			3.0	1.0	10.5	18.5
GNCF0600	6	0.6			3.0	1.0	11.4	22.0
GNCF0700	7	0.6			3.0	1.0	11.4	23.5
GNCF0800	8	0.6			3.0	1.0	12.8	28.0
GNCF0900	9	0.6			3.0	1.0	13.0	31.0
GNCF1000	10	0.6			3.0	1.0	13.3	36.0
GNCF1100	11	0.6			3.0	1.0	14.1	37.0
GNCF1200	12	0.6			3.0	1.0	15.8	41.5
GNCF1300	13	0.6			3.0	1.0	16.0	43.0
GNCF1400	14	0.6			3.0	1.0	16.0	46.0
GNCF1500	15	0.6			3.0	1.0	16.0	48.0
GNCF1600	16	0.6			3.0	1.0	17.4	53.0
GNCF1700	17	0.6			3.0	1.0	17.6	55.0
GNCF1800	18	0.6			3.0	1.0	17.6	57.0
GNCF1900	19	0.6			3.0	1.0	17.6	59.0
GNCF2000	20	0.6			3.0	1.0	18.8	64.5
GNCF2100	21	0.6			3.0	1.0	18.8	66.0
GNCF2200	22	0.6			3.0	1.0	19.1	70.0
GNCF2300	23	0.6			3.0	1.0	19.1	72.0
GNCF2400	24	0.6			3.0	1.0	21.3	75.0
GNCF2500	25	0.6			3.0	1.0	21.3	80.0
GNCF2600	26	0.6			3.0	1.0	21.3	82.0
GNCF2700	27	0.6			3.0	1.0	21.5	85.0
GNCF2800	28	0.6			3.0	1.0	21.5	87.0
GNCF2900	29	0.6			3.0	1.0	21.9	91.0
GNCF3000	30	0.6			3.0	1.0	22.6	95.0

VCT-F

The Multi-core Coloured Soft Control Cables



Sheath colour available in Grey or Black

Cold Resistant -25°C

Heat Resistant +60°C

<p>▪ Application VCTF control cables covers all electrical installation in dry and damp interiors under industry environment. Mostly as power supply and signal lines. It is suitable for free, non-continuous movement without strain relief.</p>	<p>▪ Cable Makeup Fine wire stranded bare copper wire, PVC core insulation, cores with coloured identification, outer sheath of special PVC based-compound</p> <p>▪ Special Feature The sheath can be removed easily and due its flexibility and distinguish colour identification, it ease installation and reduce time</p>								
<p>▪ Technical Data</p> <table border="0"> <tr> <td> Temperature Range</td> <td>/ -25°C to +60°C</td> <td> Test Voltage</td> <td>/ 100V</td> </tr> <tr> <td> Working Voltage</td> <td>/ Up to 100V</td> <td> Insulation Resistance</td> <td>/ 5MΩ/km(30°C)</td> </tr> </table>		Temperature Range	/ -25°C to +60°C	Test Voltage	/ 100V	Working Voltage	/ Up to 100V	Insulation Resistance	/ 5MΩ/km(30°C)
Temperature Range	/ -25°C to +60°C	Test Voltage	/ 100V						
Working Voltage	/ Up to 100V	Insulation Resistance	/ 5MΩ/km(30°C)						

< Electrical Characteristics >

Test content	Size/unit	0.18mm ²	0.2mm ²	0.25mm ²	0.3mm ²	0.5mm ²
Composition of conductor	mm	7/0.18	20/0.12	14/0.15	12/0.18	20/0.18
Diameter of Insulation	mm	1.05	1.05	1.25	1.5	2.0
Test voltage	V/min	100	100	100	100	100
Conductor resistance 30°C	Ω/km	108	101	76	61.9	37.1
Insulation resistance 30°C	MΩ/km	5	5	5	5	5

Cable Identification

< For 0.18mm² & 0.25mm² >

Core	Colour	Core	Colour	Core	Colour	Core	Colour
1	Black	11	Purple	21	Brown *	31	Blue Δ
2	White	12	Grey	22	Pink *	32	Yellow Δ
3	Red	13	Light Green	23	Light Blue *	33	Brown Δ
4	Green	14	Cream	24	Orange *	34	Pink Δ
5	Blue	15	Black O	25	Purple *	35	Light Blue Δ
6	Yellow	16	White *	26	Grey *	36	Orange Δ
7	Brown	17	Red *	27	Light Green *	37	Purple Δ
8	Pink	18	Green *	28	Cream *	38	Grey Δ
9	Light Blue	19	Blue *	29	White Δ	39	Light Green Δ
10	Orange	20	Yellow *	30	Green Δ	40	Cream Δ

O ... Mark Silver print mark

* ... Mark Black print mark

Δ ... Mark Red print mark

< For 0.3mm² & 0.5mm² >

Core	Colour	Core	Colour	Core	Colour	Core	Colour
1	Black	11	Purple	21	Brown	31	Green
2	White	12	Grey	22	Pink	32	Blue
3	Red	13	Light Green	23	Light Blue	33	Yellow
4	Green	14	Cream	24	Orange	34	Brown
5	Blue	15	Black	25	Purple	35	Pink
6	Yellow	16	White	26	Grey	36	Light Blue
7	Brown	17	Red	27	Light Green	37	Orange
8	Pink	18	Green	28	Cream	38	Grey
9	Light Blue	19	Blue	29	White	39	Light Green
10	Orange	20	Yellow	30	Red	40	Cream

○ ... Mark Silver print mark

* ... Mark Black print mark

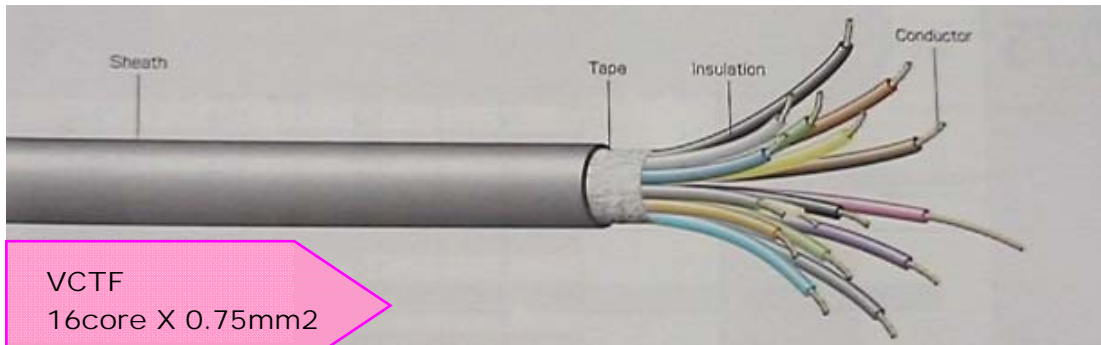
△ ... Mark Red print mark

VCTF 100V

Part Number	Conductor			Insulation		No. of Cores	Sheath		Approx. Weight Kg/Km					
	Nominal Sectional Area mm ²	Composition of Conductor mm	Diameter mm	Thickness mm	Diameter mm		Thickness of Sheath mm	Approx. Overall Diameter mm						
00000001802	0.18	7/0.18	0.54	0.25	1.05	2	0.5	3.0	14					
00000001803						3	0.6	3.5	19					
00000001804						4	0.6	4.0	24					
00000001805						5	0.8	4.7	30					
00000001806						6	0.9	5.2	35					
00000001807						7	0.9	5.2	38					
00000001808						8	0.9	5.5	41					
00000001810						10	0.9	5.8	53					
00000001812						12	0.9	6.0	59					
00000001816						16	1.1	7.2	73					
00000001820						20	1.1	7.5	86					
00000001824						24	1.1	8.0	99					
00000001830						30	1.2	8.7	120					
00000001840						40	1.3	10.4	165					
00000001850						50	1.5	11.5	190					
00000002502						0.25	14/0.15	0.65	0.3	1.25	2	0.6	4.0	22
00000002503	3	0.6	4.2	28										
00000002504	4	0.6	4.6	34										
00000002505	5	0.7	5.0	39										
00000002506	6	0.7	5.5	47										
00000002508	8	0.7	6.1	58										
00000002510	10	0.8	6.9	71										
00000002512	12	0.8	7.1	80										
00000002516	16	0.9	7.9	100										
00000002518	18	0.9	8.4	110										
00000002520	20	0.9	9.0	120										
00000002522	22	0.9	9.0	132										
00000002525	25	1.0	10.0	145										
00000002530	30	1.0	10.4	174										
00000002540	40	1.1	11.9	233										
00000003002	0.3	12/0.18	0.7	0.4	1.5						2	0.8	4.6	29
00000003003						3	0.8	4.8	35					
00000003004						4	1.0	5.3	40					
00000003006						6	1.0	6.5	56					
00000003007						7	1.0	6.5	60					
00000003008						8	1.0	7.3	70					
00000003010						10	1.0	8.0	86					
00000003012						12	1.2	8.6	98					
00000003016						16	1.3	9.7	122					
00000003020						20	1.3	10.6	148					
00000003024						24	1.3	11.2	178					
00000003030						30	1.3	12.0	220					
00000003040						40	1.5	14.5	293					
00000005002						0.5	20/0.18	1.0	0.5	2.0	2	1.0	6.0	50
00000005003											3	1.0	6.4	58
00000005004											4	1.0	6.8	64
00000005005	5	1.0	7.4	74										
00000005006	6	1.0	8.0	86										
00000005008	8	1.0	9.0	113										
00000005010	10	1.2	10.4	132										
00000005012	12	1.2	10.8	151										
00000005016	16	1.3	12.5	197										
00000005020	20	1.3	13.6	247										
00000005024	24	1.5	15.0	300										
00000005030	30	1.5	15.8	360										

VCTF

The Multi-core Coloured Control Cables



Sheath colour available in Grey or Black

Cold Resistance -25°C

Heat Resistance +60°C

Application

VCTF control cables covers all electrical installation in dry and damp interiors under industry environment. Mostly as power supply and signal lines. It is suitable for free, non-continuous movement without strain relief.

Cable Makeup

Fine wire stranded bare copper wire, PVC core insulation, cores with coloured identification, outer sheath of special PVC based-compound

Special Feature


The sheath can be removed easily and due its flexibility and distinguish colour identification, it ease installation and reduce time

Technical Data

 Temperature Range / -15°C to +60°C

 Test Voltage / 1000V

 Working Voltage / Up to 300V

 Insulation Resistance / 5M/km(30°C)

< Electrical Characteristics >

Test content	Size/unit	0.75mm ²	1.25mm ²	2.0mm ²
Composition of conductor	mm	30/0.18	50/0.18	37/0.26
Diameter of Insulation	mm	2.3	2.7	3.0
Test voltage	V/min	1000	1000	1000
Conductor resistance 30°C	Ω/km	24.8	14.9	9.5
Insulation resistance 30°C	MΩ/km	5	5	5

Cable Identification

< For JIS standard >

Core	Colour	Core	Colour	Core	Colour		
1	Black	11	Purple	21	Brown	○	
2	White	12	Grey	22	Pink	○	
3	Red	13	Light Green	23	Light Blue	○	
4	Green	14	Cream	24	Orange	○	
5	Blue	15	Black	○	25	Purple	○
6	Yellow	16	White	○	26	Grey	○
7	Brown	17	Red	○	27	Light Green	○
8	Pink	18	Green	○	28	Cream	○
9	Light Blue	19	Blue	○	29	White	*
10	Orange	20	Yellow	○	30	Red	*

○ ... Mark Silver print mark

* ... Mark Black print mark

< For IEC standard >

Cores	Identification
2	White + Black core
3 & above	Yellow/Green + Black core with numbering 1~

VCTF

300V

Part Number	Conductor		Insulation		No. of Cores	Sheath		Approx. Weight Kg/Km
	Nominal Sectional Area mm ²	Composition of Conductor mm	Thickness mm	Diameter mm		Thickness of Sheath mm	Approx. Overall Diameter mm	
0000007502	0.75	30/0.18	0.6	2.3	2	1.0	6.6	65
0000007503					3	1.0	7.0	75
0000007504					4	1.0	7.6	90
0000007505					5	1.0	8.2	100
0000007506					6	1.0	8.9	115
0000007507					7	1.0	8.9	125
0000007508					8	1.0	10.0	140
0000007509					9	1.0	11.5	170
0000007510					10	1.0	12.0	190
0000007512					12	1.0	12.5	210
0000007514					14	1.0	13.5	240
0000007516					16	1.1	14.5	300
0000007524					24	1.2	16.5	360
0000007526					26	1.2	16.5	400
0000007530	30	1.2	17.5	440				
00000012502	1.25	50/0.18	0.6	2.7	2	1.0	7.4	80
00000012503					3	1.0	7.8	95
00000012504					4	1.0	8.5	120
00000012505					5	1.0	9.3	140
00000012506					6	1.0	10.0	170
00000012507					7	1.0	10.0	175
00000012508					8	1.0	11.5	200
00000012510					10	1.0	13.0	250
00000012512					12	1.0	13.5	270
00000012514					14	1.1	14.5	315
00000012516					16	1.1	15.0	360
00000012520					20	1.2	17.0	440
00000012530					30	1.3	20.0	650
00000020002					2.0	37/0.26	0.6	3.0
00000020003	3	1.0	8.5	125				
00000020004	4	1.0	9.2	150				
00000020005	5	1.0	10.0	180				
00000020006	6	1.0	11.0	220				
00000020007	7	1.0	11.0	235				
00000020008	8	1.0	12.5	260				
00000020010	10	1.1	14.5	330				
00000020012	12	1.1	15.0	370				
00000020014	14	1.1	15.5	430				
00000020016	16	1.2	17.0	490				
00000020020	20	1.2	18.5	600				