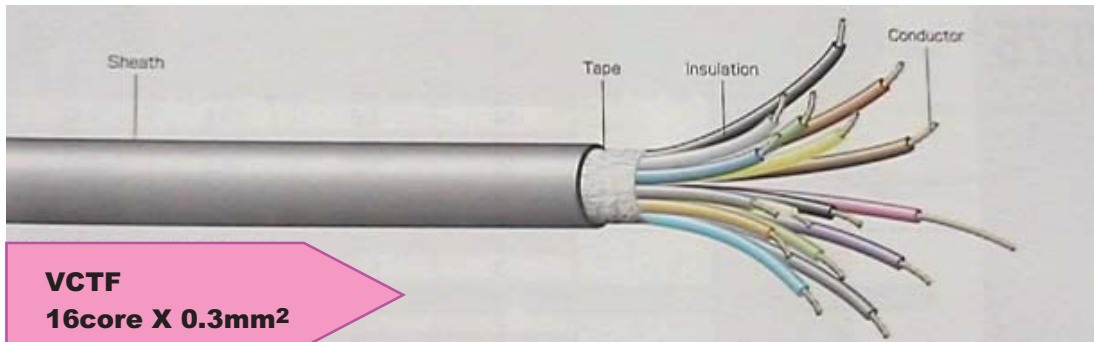


VCT-F

The Multi-core Coloured Soft Control Cables



Sheath colour available in Grey or Black

Cold Resistant -25°C

Heat Resistant +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 / -25°C to +60°C

Test Voltage / 500V

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	500	500	500	500	500
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

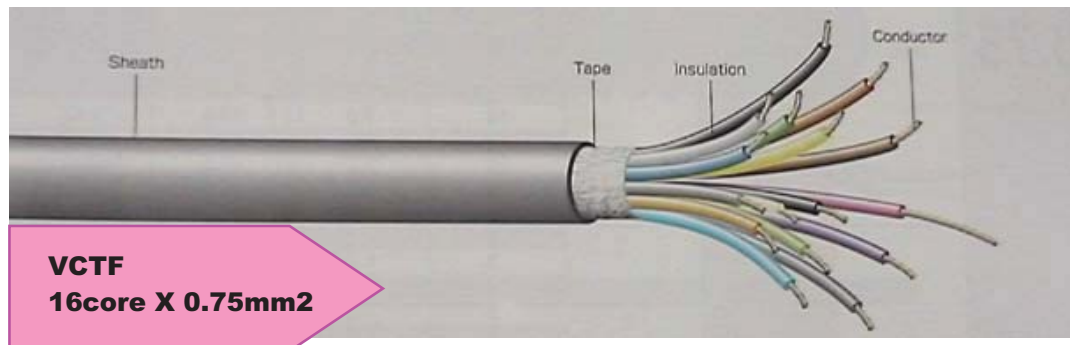
△ ... Mark Red print mark

VCTF 100V

Nominal Sectional Area mm ²	Conductor		Insulation		No. of Cores	Sheath		Approx. Weight Kg/Km	Standard length
	Composition of Conductor mm	Diameter mm	Thickness mm	Diameter mm		Thickness of Sheath mm	Approx. Overall Diameter mm		
0.18	7/0.18	0.54	0.25	1.05	2	0.5	3.0	14	100
					3	0.6	3.5	19	100
					4	0.6	4.0	24	100
					5	0.8	4.7	30	100
					6	0.9	5.2	35	100
					7	0.9	5.2	38	100
					8	0.9	5.5	41	100
					10	0.9	5.8	53	100
					12	0.9	6.0	59	100
					16	1.1	7.2	73	100
					20	1.1	7.5	86	100
					24	1.1	8.0	99	100
					30	1.2	8.7	120	100
					40	1.3	10.4	165	100
50	1.5	11.5	190	100					
0.25	14/0.15	0.65	0.3	1.25	2	0.6	4.0	22	100
					3	0.6	4.2	28	100
					4	0.6	4.6	34	100
					5	0.7	5.0	39	100
					6	0.7	5.5	47	100
					8	0.7	6.1	58	100
					10	0.8	6.9	71	100
					12	0.8	7.1	80	100
					16	0.9	7.9	100	100
					18	0.9	8.4	110	100
					20	0.9	9.0	120	100
					22	0.9	9.0	132	100
					25	1.0	10.0	145	100
					30	1.0	10.4	174	100
40	1.1	11.9	233	100					
0.3	12/0.18	0.7	0.4	1.5	2	0.8	4.6	29	100
					3	0.8	4.8	35	100
					4	1.0	5.3	40	100
					6	1.0	6.5	56	100
					7	1.0	6.5	60	100
					8	1.0	7.3	70	100
					10	1.0	8.0	86	100
					12	1.2	8.6	98	100
					16	1.3	9.7	122	100
					20	1.3	10.6	148	100
					24	1.3	11.2	178	100
					30	1.3	12.0	220	100
					40	1.5	14.5	293	100
					0.5	20/0.18	1.0	0.5	2.0
3	1.0	6.4	58	100					
4	1.0	6.8	64	100					
5	1.0	7.4	74	100					
6	1.0	8.0	86	100					
8	1.0	9.0	113	100					
10	1.2	10.4	132	100					
12	1.2	10.8	151	100					
16	1.3	12.5	197	100					
20	1.3	13.6	247	100					
24	1.5	15.0	300	100					
30	1.5	15.8	360	100					

VCTF

The Multi-core Coloured Control Cables



Sheath colour available in Grey or Black

Cold Resistance -25°C

Heat Resistance +60°C

Application

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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

Conductor		Insulation		No. of Cores	Sheath		Approx. Weight Kg/Km	Standard length
Nominal Sectional Area mm ²	Composition of Conductor mm	Thickness mm	Diameter mm		Thickness of Sheath mm	Approx. Overall Diameter mm		
0.75	30/0.18	0.6	2.3	2	1.0	6.6	65	100
				3	1.0	7.0	75	100
				4	1.0	7.6	90	100
				5	1.0	8.2	100	100
				6	1.0	8.9	115	100
				7	1.0	8.9	125	100
				8	1.0	10.0	140	100
				9	1.0	11.5	170	100
				10	1.0	12.0	190	100
				12	1.0	12.5	210	100
				14	1.0	13.5	240	100
				16	1.1	14.5	300	100
				24	1.2	16.5	360	100
				26	1.2	16.5	400	100
30	1.2	17.5	440	100				
1.25	50/0.18	0.6	2.7	2	1.0	7.4	80	100
				3	1.0	7.8	95	100
				4	1.0	8.5	120	100
				5	1.0	9.3	140	100
				6	1.0	10.0	170	100
				7	1.0	10.0	175	100
				8	1.0	11.5	200	100
				10	1.0	13.0	250	100
				12	1.0	13.5	270	100
				14	1.1	14.5	315	100
				16	1.1	15.0	360	100
				20	1.2	17.0	440	100
				30	1.3	20.0	650	100
				2.0	37/0.26	0.6	3.0	2
3	1.0	8.5	125					100
4	1.0	9.2	150					100
5	1.0	10.0	180					100
6	1.0	11.0	220					100
7	1.0	11.0	235					100
8	1.0	12.5	260					100
10	1.1	14.5	330					100
12	1.1	15.0	370					100
14	1.1	15.5	430					100
16	1.2	17.0	490					100
20	1.2	18.5	600					100