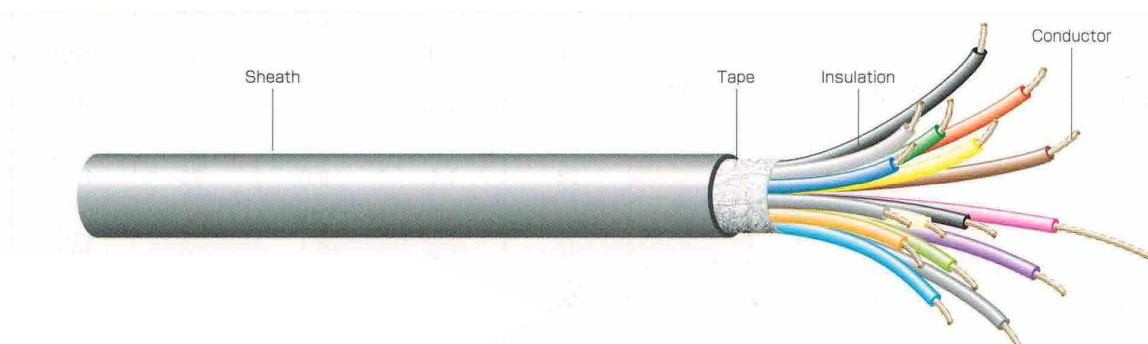


VCT-F

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 / 100V

Working Voltage / Up to 100V

Insulation Resistance / 5M Ω /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 | \hat{o} /km | 108 | 101 | 76 | 61.9 | 37.1 |
| Insulation resistance 30°C | M \hat{o} /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

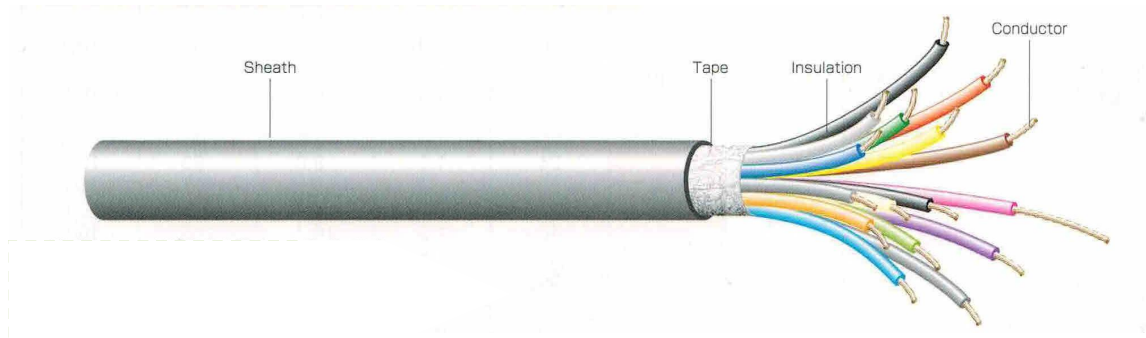
VCTF 100V

| 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 | | | | | | |
| 0000 @001802 | 0.18 | 7/0.18 | 0.54 | 0.25 | 1.05 | 2 | 0.5 | 3.0 | 14 | | | | | |
| 0000 @001803 | | | | | | 3 | 0.6 | 3.5 | 19 | | | | | |
| 0000 @001804 | | | | | | 4 | 0.6 | 4.0 | 24 | | | | | |
| 0000 @001805 | | | | | | 5 | 0.8 | 4.7 | 30 | | | | | |
| 0000 @001806 | | | | | | 6 | 0.9 | 5.2 | 35 | | | | | |
| 0000 @001807 | | | | | | 7 | 0.9 | 5.2 | 38 | | | | | |
| 0000 @001808 | | | | | | 8 | 0.9 | 5.5 | 41 | | | | | |
| 0000 @001810 | | | | | | 10 | 0.9 | 5.8 | 53 | | | | | |
| 0000 @001812 | | | | | | 12 | 0.9 | 6.0 | 59 | | | | | |
| 0000 @001816 | | | | | | 16 | 1.1 | 7.2 | 73 | | | | | |
| 0000 @001820 | | | | | | 20 | 1.1 | 7.5 | 86 | | | | | |
| 0000 @001824 | | | | | | 24 | 1.1 | 8.0 | 99 | | | | | |
| 0000 @001830 | | | | | | 30 | 1.2 | 8.7 | 120 | | | | | |
| 0000 @001840 | | | | | | 40 | 1.3 | 10.4 | 165 | | | | | |
| 0000 @001850 | | | | | | 50 | 1.5 | 11.5 | 190 | | | | | |
| 0000 @002502 | 0.25 | 14/0.15 | 0.65 | 0.3 | 1.25 | 2 | 0.6 | 4.0 | 22 | | | | | |
| 0000 @002503 | | | | | | 3 | 0.6 | 4.2 | 28 | | | | | |
| 0000 @002504 | | | | | | 4 | 0.6 | 4.6 | 34 | | | | | |
| 0000 @002505 | | | | | | 5 | 0.7 | 5.0 | 39 | | | | | |
| 0000 @002506 | | | | | | 6 | 0.7 | 5.5 | 47 | | | | | |
| 0000 @002508 | | | | | | 8 | 0.7 | 6.1 | 58 | | | | | |
| 0000 @002510 | | | | | | 10 | 0.8 | 6.9 | 71 | | | | | |
| 0000 @002512 | | | | | | 12 | 0.8 | 7.1 | 80 | | | | | |
| 0000 @002516 | | | | | | 16 | 0.9 | 7.9 | 100 | | | | | |
| 0000 @002518 | | | | | | 18 | 0.9 | 8.4 | 110 | | | | | |
| 0000 @002520 | | | | | | 20 | 0.9 | 9.0 | 120 | | | | | |
| 0000 @002522 | | | | | | 22 | 0.9 | 9.0 | 132 | | | | | |
| 0000 @002525 | | | | | | 25 | 1.0 | 10.0 | 145 | | | | | |
| 0000 @002530 | | | | | | 30 | 1.0 | 10.4 | 174 | | | | | |
| 0000 @002540 | | | | | | 40 | 1.1 | 11.9 | 233 | | | | | |
| 0000 @003002 | 0.3 | 12/0.18 | 0.7 | 0.4 | 1.5 | 2 | 0.8 | 4.6 | 29 | | | | | |
| 0000 @003003 | | | | | | 3 | 0.8 | 4.8 | 35 | | | | | |
| 0000 @003004 | | | | | | 4 | 1.0 | 5.3 | 40 | | | | | |
| 0000 @003006 | | | | | | 6 | 1.0 | 6.5 | 56 | | | | | |
| 0000 @003007 | | | | | | 7 | 1.0 | 6.5 | 60 | | | | | |
| 0000 @003008 | | | | | | 8 | 1.0 | 7.3 | 70 | | | | | |
| 0000 @003010 | | | | | | 10 | 1.0 | 8.0 | 86 | | | | | |
| 0000 @003012 | | | | | | 12 | 1.2 | 8.6 | 98 | | | | | |
| 0000 @003016 | | | | | | 16 | 1.3 | 9.7 | 122 | | | | | |
| 0000 @003020 | | | | | | 20 | 1.3 | 10.6 | 148 | | | | | |
| 0000 @003024 | | | | | | 24 | 1.3 | 11.2 | 178 | | | | | |
| 0000 @003030 | | | | | | 30 | 1.3 | 12.0 | 220 | | | | | |
| 0000 @003040 | | | | | | 40 | 1.5 | 14.5 | 293 | | | | | |
| 0000 @005002 | | | | | | 0.5 | 20/0.18 | 1.0 | 0.5 | 2.0 | 2 | 1.0 | 6.0 | 50 |
| 0000 @005003 | | | | | | | | | | | 3 | 1.0 | 6.4 | 58 |
| 0000 @005004 | 4 | 1.0 | 6.8 | 64 | | | | | | | | | | |
| 0000 @005005 | 5 | 1.0 | 7.4 | 74 | | | | | | | | | | |
| 0000 @005006 | 6 | 1.0 | 8.0 | 86 | | | | | | | | | | |
| 0000 @005008 | 8 | 1.0 | 9.0 | 113 | | | | | | | | | | |
| 0000 @005010 | 10 | 1.2 | 10.4 | 132 | | | | | | | | | | |
| 0000 @005012 | 12 | 1.2 | 10.8 | 151 | | | | | | | | | | |
| 0000 @005016 | 16 | 1.3 | 12.5 | 197 | | | | | | | | | | |
| 0000 @005020 | 20 | 1.3 | 13.6 | 247 | | | | | | | | | | |
| 0000 @005024 | 24 | 1.5 | 15.0 | 300 | | | | | | | | | | |
| 0000 @005030 | 30 | 1.5 | 15.8 | 360 | | | | | | | | | | |

Note : @ will be replaced by 0 for Black Sheath; @ will be replaced by 1 for Grey Sheath

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 | ô /km | 24.8 | 14.9 | 9.5 |
| Insulation resistance 30°C | Mô /km | 5 | 5 | 5 |

Cable Identification

< For JIS standard >

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

O ... 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 | |
| 0000 @007502 | 0.75 | 30/0.18 | 0.6 | 2.3 | 2 | 1.0 | 6.6 | 65 |
| 0000 @007503 | | | | | 3 | 1.0 | 7.0 | 75 |
| 0000 @007504 | | | | | 4 | 1.0 | 7.6 | 90 |
| 0000 @007505 | | | | | 5 | 1.0 | 8.2 | 100 |
| 0000 @007506 | | | | | 6 | 1.0 | 8.9 | 115 |
| 0000 @007507 | | | | | 7 | 1.0 | 8.9 | 125 |
| 0000 @007508 | | | | | 8 | 1.0 | 10.0 | 140 |
| 0000 @007509 | | | | | 9 | 1.0 | 11.5 | 170 |
| 0000 @007510 | | | | | 10 | 1.0 | 12.0 | 190 |
| 0000 @007512 | | | | | 12 | 1.0 | 12.5 | 210 |
| 0000 @007514 | | | | | 14 | 1.0 | 13.5 | 240 |
| 0000 @007516 | | | | | 16 | 1.1 | 14.5 | 300 |
| 0000 @007524 | | | | | 24 | 1.2 | 16.5 | 360 |
| 0000 @007526 | | | | | 26 | 1.2 | 16.5 | 400 |
| 0000 @007530 | 30 | 1.2 | 17.5 | 440 | | | | |
| 0000 @012502 | 1.25 | 50/0.18 | 0.6 | 2.7 | 2 | 1.0 | 7.4 | 80 |
| 0000 @012503 | | | | | 3 | 1.0 | 7.8 | 95 |
| 0000 @012504 | | | | | 4 | 1.0 | 8.5 | 120 |
| 0000 @012505 | | | | | 5 | 1.0 | 9.3 | 140 |
| 0000 @012506 | | | | | 6 | 1.0 | 10.0 | 170 |
| 0000 @012507 | | | | | 7 | 1.0 | 10.0 | 175 |
| 0000 @012508 | | | | | 8 | 1.0 | 11.5 | 200 |
| 0000 @012510 | | | | | 10 | 1.0 | 13.0 | 250 |
| 0000 @012512 | | | | | 12 | 1.0 | 13.5 | 270 |
| 0000 @012514 | | | | | 14 | 1.1 | 14.5 | 315 |
| 0000 @012516 | | | | | 16 | 1.1 | 15.0 | 360 |
| 0000 @012520 | | | | | 20 | 1.2 | 17.0 | 440 |
| 0000 @012530 | | | | | 30 | 1.3 | 20.0 | 650 |
| 0000 @020002 | | | | | 2.0 | 37/0.26 | 0.6 | 3.0 |
| 0000 @020003 | 3 | 1.0 | 8.5 | 125 | | | | |
| 0000 @020004 | 4 | 1.0 | 9.2 | 150 | | | | |
| 0000 @020005 | 5 | 1.0 | 10.0 | 180 | | | | |
| 0000 @020006 | 6 | 1.0 | 11.0 | 220 | | | | |
| 0000 @020007 | 7 | 1.0 | 11.0 | 235 | | | | |
| 0000 @020008 | 8 | 1.0 | 12.5 | 260 | | | | |
| 0000 @020010 | 10 | 1.1 | 14.5 | 330 | | | | |
| 0000 @020012 | 12 | 1.1 | 15.0 | 370 | | | | |
| 0000 @020014 | 14 | 1.1 | 15.5 | 430 | | | | |
| 0000 @020016 | 16 | 1.2 | 17.0 | 490 | | | | |
| 0000 @020020 | 20 | 1.2 | 18.5 | 600 | | | | |

Note : @ will be replaced by 0 for Black Sheath; @ will be replaced by 1 for Grey Sheath