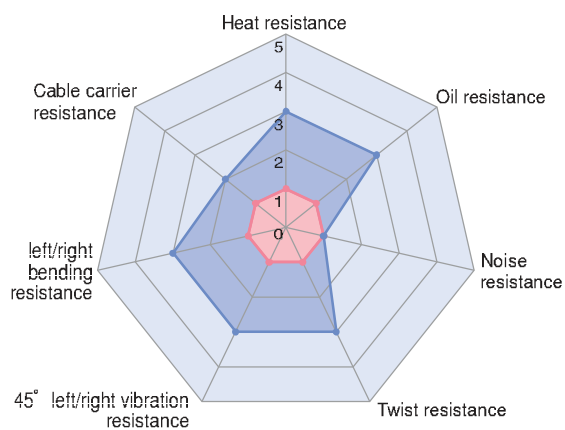


VCTF 10K

Viny-soft



Characteristics Radar Chart



■ VCTF 10K ■ General VCT

※The characteristics of the cable indicated on the radar chart are intended for use as a general guide for selecting the cable meeting your requirements.

Features

Flexibility
Flame Resistance
Certain Oil resistance
Rate Voltage : 300/500V

Application

Cable connection to machine tools that tend to cause oil splashing during operation
Cable connection to equipment.

Certification

<PS>E (applicable to 0.75mm² or more)

Electrical Characteristics

Item	Hardest Cross-Sectional Area (mm ²)	Number of Cores																	
		2 ~ 41	2	3	4	5	6	7	8	10	12	14	16	18	21	25	31	41	
Conductor Resistance (20°C) Ω/km or below	0.3	62.3	4	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	
	0.5	37.8	5	5	5	4	4	4	4	3	3	3	3	3	3	2	2	2	
	0.75	25.1	7	7	7	6	6	5	5	5	4	4	4	4	4	3	3	3	
	1.25	15.1	12	12	12	9	8	7	7	7	6	6	6	6	5	5	4	4	
	2.0	9.79	17	17	17	12	11	10	9	9	8	8	8	7	7	6	6	5	
Insulation Resistance (20°C) MΩ/km or above	0.3 -2.0	5																	
Test Voltage	V · min	AC 2000V	● Allowable Current (A) for the cable																

- Allowable Current (A) for the cable is based on calculation under serial one-cable installation at ambient temperature of 30°C, not representing a guaranteed value. Allowable current for the cable at ambient temperature above 30°C is to be determined by multiplying the current value by the appropriate current reduction factor specified in the following table for the ambient temperature.

Current Reduction Factor Table

Ambient Temperature(°C)	30	35	40	45	50	55
Current Reduction Factor	1.00	0.91	0.82	0.71	0.58	0.41

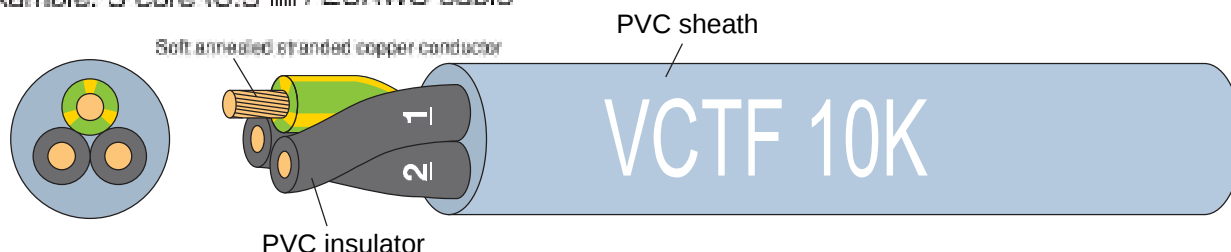
Cable Construction

Item	Configuration
Conductor	Soft annealed stranded copper
Insulator	PVC
Conductor stranding	Circular
Core wrapping tape	Tape wrap around cores if their number is 8 or above
Sheath	Certain oil resistant PVC

Core Identification

No. of cores	Core identification
Identification by Number (for Standard)	Insulation is Colored black and printed in Arabic numerals by white ink 1,2,3,4,.....,so on and green/yellow

Example: 3 core (0.5 mm²) 20AWG cable



Cable Outside Diameter/Weight

Nominal cross-sectional area (mm ²) Conductor outside diameter	Number of cores															
	2	3	4	5	6	7	8	10	12	14	16	18	21	25	31	41
0.3 (12/0.18)	5.4 40	5.7 45	6.1 50	6.1 55	6.5 60	6.5 65	7.1 70	8.1 80	8.3 90	8.7 105	9.2 115	9.5 130	10.0 147	11.5 175	13.0 205	14.5 257
0.5 (20/0.18)	5.8 50	6.1 55	6.6 65	7.1 80	7.7 90	7.7 95	8.7 105	9.8 130	10.0 145	10.5 165	11.0 180	11.5 205	12.5 230	14.0 275	15.5 340	17.0 450
0.75 (30/0.18)	6.6 65	7.0 75	7.6 90	8.2 100	8.9 125	8.9 135	10.0 140	11.5 175	11.5 200	12.5 230	13.0 255	14.0 285	15.0 330	16.5 390	18.0 490	20.0 645
1.25 (50/0.18)	7.4 85	7.8 100	8.5 120	9.3 145	10.0 175	10.0 185	11.5 195	13.0 240	13.5 285	14.5 325	15.0 365	16.0 405	17.5 480	19.0 570	21.0 710	23.0 940
2.0 (37/0.26)	8.0 105	8.5 160	9.2 190	10.0 230	11.0 245	11.0 260	12.5 330	14.5 330	15.0 385	15.5 440	16.0 500	17.0 560	19.5 650	21.0 775	22.5 960	25.5 1270

⚠ VCTF 0.3-0.5 mm² cable, which is exempt from the application of the Electrical Appliance and Material Safety Law, can be used for cable connection to signal and communication circuits and other weak current electrical circuits in Japan.

Upper: Standard cable outside diameter (Approx.mm)

Lower: Approximate weight (kg/km)

⊠ indicates specifications for custom order production.