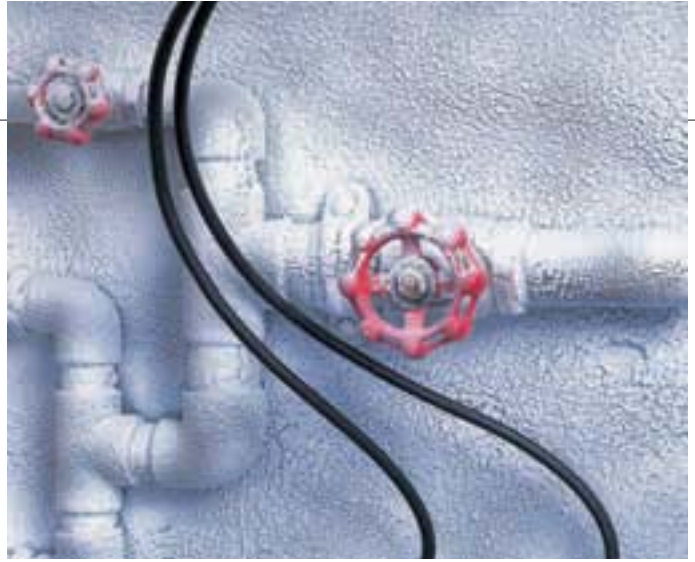
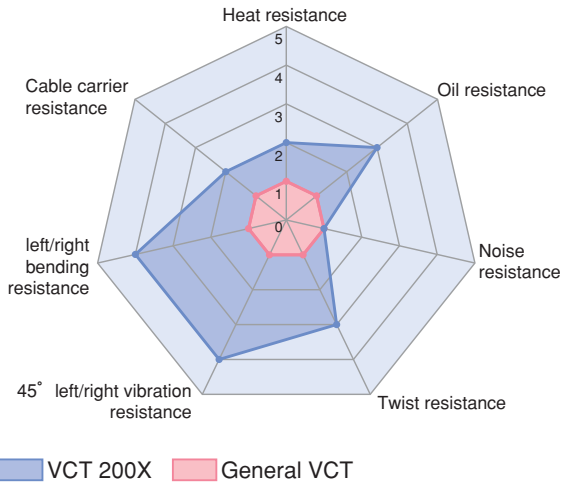


VCT 200X

Frost-prene



Characteristics Radar Chart



※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

- Low-temperature flexibility
- 45° left/right vibration resistance
- Sheath mat type

Application

- Cable connection in low-temperature warehouse
- Cable connection to refrigeration/freezing equipment
- Mobile cable connection in cold region

Certification

<PS>E (applicable to seven (7) cores or less)

Electrical Characteristics

Item	Nominal Cross-Sectional Area (mm ²)	Number of Cores	Number of Cores	Allowable Current (A)								
				2	3	4	5	6	7	8	10	12
Conductor Resistance (20°C) Ω/km or below	0.75	25.8	25.1	12	10	9	8	7	6	6	6	5
	1.25	15.6	15.1	16	14	13	12	10	9	8	8	7
	2.0	10.1	9.79	22	19	17	16	13	12	11	11	10
	3.5	5.24		32	28	25	23	20	18	17	16	15
Insulation Resistance (20°C) MΩ/km or above	0.75~2.0	50										
	3.5	40										
Test Voltage	V · min	AC 3000V										

- Allowable Current (A) for the cable is based on calculation under aerial 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

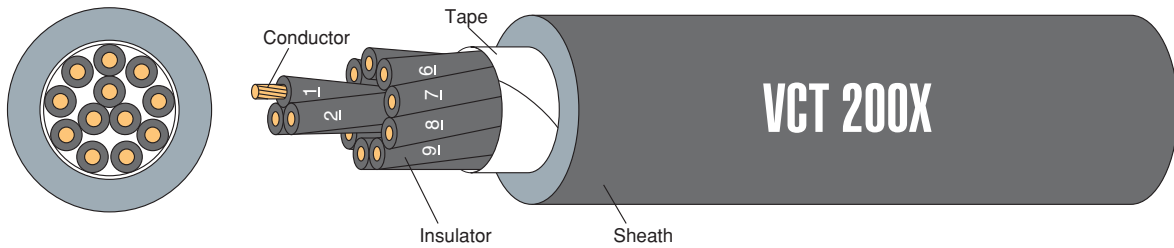
Cable Construction

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

Core Identification

No. of cores	Core identification
4 or less	Identification by color (in order of black, white, red and green)
5 or more	Identification by number (marked on black insulator surface in order of 1, 2, 3, 4 and so on)

Example: 12 core cable



Cable Outside Diameter/Weight

Nominal cross-sectional area (mm ²) Conductor count/wire diameter	Number of cores									
	2	3	4	5	6	7	8	10	12	
0.75 (30/0.18)	8.8 100	9.2 115	9.9 135	※11.0 160	※12.0 185	※13.0 190	※14.0 215	※16.5 265	※16.0 295	
1.25 (50/0.18)	9.6 125	10.5 145	11.5 175	※12.5 215	※13.5 245	※14.5 255	※15.5 285	※18.5 355	※17.5 400	
2.0 (37/0.26)	10.5 150	11.0 180	12.0 215	※13.0 265	※14.5 300	※15.5 330	※16.5 370	※20.0 460	※19.0 500	
3.5 (45/0.32)	12.0 210	13.0 260	14.0 325	※15.5 390	※16.5 460	※18.0 490	※19.5 550	※23.5 685	※22.0 805	

Upper: Standard cable outside diameter (Approx.mm)

Lower: Approximate weight (kg/km)

※ indicates specifications for custom order production.