

PVC/PVC MULTICORE FLEXIBLE CABLE VCT-F UNSHIELDED CONTROL CABLE



CONDUCTOR

Fine stranded tinned copper wire with 0.65mm nominal diameter of conductor for 0.25mm²; and 1.00mm nominal diameter of conductor for 0.50mm²

CORE INSULATION

Color coded PVC insulation with all cores assembly cabling together.

0.25mm² : Nominal thickness: 0.30mm, Min. thickness: 0.20mm; Nominal Core Diameter: 1.25mm, Min./Max. Diameter: 1.15/1.35mm

0.50mm² : Nominal thickness: 0.50mm, Min. thickness: 0.40mm; Nominal Core Diameter: 2.00mm, Min./Max. Diameter: 1.85/2.15mm

OUTER SHEATH

Very soft black PVC outer sheath

APPLICATION

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.

VOLTAGE RATING

300V

SPARK TEST (WITHSTAND IN AIR)

3000V

VOLTAGE TEST (WITHSTAND IN WATER)

1500V/1min

TEMPERATURE RATING

Max. 105°C, Min. flexing 0°C

FILLER

White Nylon Filler Yarn (Optional)

BINDING TAPE

One white Separator paper wrapped overlap min. 20%. as binding tape

PACKING

100mtr

Conductor		Outer Sheath		Overall Diameter			Current Rating	Filler	Max Conductor Resistance At 20°C
No. of Cores x Nominal Cross Sectional Area	No. of Strands / Diameter of Wire	Nominal Thickness	Min Thickness	Nominal Diameter	Min. Diameter	Max. Diameter			
n x mm ²	No./mm	mm	mm	mm	mm	mm	A	Ω /km	
2 x 0.25	14/0.15	0.80	0.60	4.10	3.90	4.40	3.45	without	69.70
3 x 0.25	14/0.15	0.80	0.60	4.30	4.10	4.60	3.02	without	69.70
4 x 0.25	14/0.15	0.80	0.60	4.70	4.50	5.00	2.80	without	69.70
6 x 0.25	14/0.15	0.90	0.65	5.70	5.50	6.00	2.37	with	69.70
8 x 0.25	14/0.15	0.90	0.65	6.00	5.80	6.30	2.16	without	69.70
12 x 0.25	14/0.15	1.00	0.75	7.30	7.00	7.40	1.94	without	69.70
16 x 0.25	14/0.15	1.20	0.95	8.40	8.10	8.80	1.72	with	69.70
20 x 0.25	14/0.15	1.20	0.95	8.80	8.50	9.20	1.72	without	69.70
25 x 0.25	14/0.15	1.20	0.95	9.00	8.60	9.50	1.72	without	69.70
2 x 0.50	20/0.18	1.00	0.80	6.00	5.80	6.20	6.16	without	37.10
3 x 0.50	20/0.18	1.00	0.80	6.40	6.20	6.60	5.39	without	37.10
4 x 0.50	20/0.18	1.00	0.80	6.80	6.50	7.10	5.01	without	37.10
6 x 0.50	20/0.18	1.00	0.80	7.40	7.10	7.70	4.24	with	37.10
8 x 0.50	20/0.18	1.00	0.80	8.00	7.70	8.30	3.85	without	37.10
10 x 0.50	20/0.18	1.20	0.95	9.00	8.70	9.30	3.85	without	37.10
12 x 0.50	20/0.18	1.20	0.95	10.40	10.10	10.70	3.47	without	37.10
16 x 0.50	20/0.18	1.30	1.10	10.80	10.50	11.10	3.08	with	37.10
20 x 0.50	20/0.18	1.30	1.10	13.60	13.30	13.90	3.08	without	37.10
25 x 0.50	20/0.18	1.50	1.30	15.00	14.60	15.40	3.08	without	37.10

INSULATION COLOR

1 RED (R)	2 BLUE (BL)	3 WHITE (W)	4 BLACK (BK)	5 BROWN (BR)
6 PURPLE (PR)	7 ORANGE (O)	8 PINK (PI)	9 LT BLUE (LT BL)	10 GREY (GR)
11 WH/BK	12 WH/RD	13 WH/GR	14 WH/YL	15 WH/BR
16 WH/BL	17 WH/LT GN	18 WH/OR	19 WH/PR	20 LT BL/BK
21 LT BL/YL	22 LT BL/BR	23 LT BL/GN	24 LT BL/OR	25 LT BL/PR