

Applications

A continental style flexible power cable suitable for robotic and automated equipment where armouring or screening is not required.

Family

Flexible power control cable

Standard

VDE2050
VDE0295

Design

- 1. Conductor**
Plain copper wire
- 2. Insulation**
FR-PVC
- 3. Filler**
Chalk or PVC strip (where required)
- 4. Sheath**
FR-PVC



Electrical Characteristics at 20°C

Conductor size (mm ²)	Max. Conductor DC resistance (Ω/km)	Rated Temperature (°C)	Voltage Rating (KV) DC	Min. Insulation Resistance (MΩ*km)
0.75	26.0	-30~+80	0.3	500
1.0	19.5			
1.5	13.3			
2.5	7.98			

Constructional Information

No. of Cores	Conductor size (mm ²)	Conductor Diameter (mm)	Insulated Diameter (mm)	Insulation Thickness (mm)	Filler Type/Size (mm)	Overall Diameter (mm)	Sheath Thickness (mm)
3 Core	0.75	0.193 ± 0.008x24	2.0 ± 0.1	0.45	Chalk	5.6 ± 0.20	0.60
	1.0	0.193 ± 0.008x32	2.2 ± 0.1	0.47		6.2 ± 0.20	0.65
	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.44		6.5 ± 0.20	0.75
	2.5	0.24 ± 0.008x50	3.0 ± 0.15	0.52		8.1 ± 0.25	0.80
4 Core	0.75	0.193 ± 0.008x24	2.0 ± 0.1	0.45	Chalk	6.6 ± 0.20	0.70
	1.0	0.193 ± 0.008x32	2.2 ± 0.1	0.47		7.1 ± 0.20	0.80
	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.44		7.6 ± 0.20	0.80
	2.5	0.24 ± 0.008x50	3.0 ± 0.15	0.52		9.1 ± 0.25	0.80
5 Core	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.44	1.6 PVC/Chalk	8.4 ± 0.25	0.80
	2.5	0.24 ± 0.008x50	3.0 ± 0.15	0.52	2.0 PVC/Chalk	10.3 ± 0.30	0.80
7 Core	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.44	Chalk	9.5 ± 0.30	0.80
	2.5	0.24 ± 0.008x50	3.0 ± 0.15	0.52		11.8 ± 0.30	0.80
8 Core	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.44	Chalk	10.4 ± 0.30	0.80
	2.5	0.24 ± 0.008x50	3.0 ± 0.15	0.52		12.6 ± 0.30	0.80
12 Core	0.75	0.193 ± 0.008x24	2.0 ± 0.1	0.45	Chalk	10.4 ± 0.30	0.80
	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.44		12.4 ± 0.20	0.80
	2.5	0.24 ± 0.008x50	3.0 ± 0.15	0.52		14.9 ± 0.25	0.80
18 Core	0.75	0.193 ± 0.008x24	2.0 ± 0.1	0.45	Chalk	12.4 ± 0.30	0.80
	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.44		14.5 ± 0.20	0.80
	2.5	0.24 ± 0.008x50	3.0 ± 0.15	0.52		17.6 ± 0.25	0.80