

Applications

A continental style flexible power control cable used in machine tool processing, assembly and production lines.

Family

Flexible power control cable

Standard

VDE0250
VDE0295

Design

- 1. Conductor**
Plain copper wire
- 2. Insulation**
FR-PVC
- 3. Filler**
2.1mm PVC strip (where required)
- 4. Braiding**
Tinned Copper
- 5. 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)	Braiding Wire (mm)	Overall Diameter (mm)	Sheath Thickness (mm)
3 Core	0.75	0.193 ± 0.008x24	2.0 ± 0.1	0.5	-	0.12 ± 0.008x16x6	6.0 ± 0.20	0.60
	1.0	0.193 ± 0.008x32	2.2 ± 0.1	0.5	-	0.12 ± 0.008x16x6	6.4 ± 0.20	0.60
	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.4	-	0.12 ± 0.008x16x6	6.8 ± 0.20	0.60
	2.5	0.24 ± 0.008x50	3.0 ± 0.15	0.5	-	0.12 ± 0.008x16x7	8.0 ± 0.25	0.60
4 Core	0.75	0.193 ± 0.008x24	2.0 ± 0.1	0.5	-	0.12 ± 0.008x16x6	6.7 ± 0.20	0.60
	1.0	0.193 ± 0.008x32	2.2 ± 0.1	0.5	-	0.12 ± 0.008x16x7	7.0 ± 0.20	0.60
	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.4	-	0.12 ± 0.008x16x7	7.6 ± 0.20	0.60
	2.5	0.24 ± 0.008x50	3.0 ± 0.15	0.5	-	0.12 ± 0.008x16x8	9.0 ± 0.25	0.70
5 Core	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.4	-	0.12 ± 0.008x16x7	8.2 ± 0.25	0.70
	2.5	0.24 ± 0.008x50	3.0 ± 0.15	0.5	2.1 PVC	0.12 ± 0.008x16x9	9.8 ± 0.30	0.70
7 Core	1.5	0.24 ± 0.008x30	2.4 ± 0.1	0.4	-	0.12 ± 0.008x16x8	10.3 ± 0.30	0.70