Torsion Resistant PVC/PVC 1kV Power Cable

Description

0.6-1kV PVC power cable. Specifically designed for wind turbines, for transmitting power between turbine generator and the transformer at the base of the tower. The cable is manufactured to meet the torsional stresses associated with wind turbines. The PVC outer sheath remains flexible even in cold temperatures and is UV, Oil and Ozone resistant.

Key Features

Torsion Resistance
±140°/m

Voltage Rating
600/1000 Volts

Minimum Bending Radius
Fixed: 6 x overall diameter
Flexing: 10 x overall diameter

Temperature Limits
Temperature Range: -40°C to +80°C

Standards

- UL-758
- DIN VDE 0295 / IEC 60228
- CSA C22.2
- BS EN/IEC 60811-507, BS EN/IEC 60811-403, BS EN/IEC 60811-404

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Insulation**: Polyvinyl Chloride (PVC)
- **Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: Black

QA Lab

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

Torsion Resistant PVC/PVC 1kV Power Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
CU/PVC/PVC/1kV3X/75	0.75	3	7.5	80
CU/PVC/PVC/1kV4X/75	0.75	4	8.5	115
CU/PVC/PVC/1kV4X1	1	4	8.3	102
CU/PVC/PVC/1kV3X1/5	1.5	3	8.0	115
CU/PVC/PVC/1kV4X1/5	1.5	4	10	170
CU/PVC/PVC/1kV3X2/5	2.5	3	9.0	150
CU/PVC/PVC/1kV4X2/5	2.5	4	11	250
CU/PVC/PVC/1kV4X4	4	4	12.2	275
CU/PVC/PVC/1kV4X6	6	4	14.8	460
CU/PVC/PVC/1kV4X10	10	4	17.5	675
CU/PVC/PVC/1kV4X16	16	4	23.0	1020
CU/PVC/PVC/1kV4X25	25	4	27.0	1600
CU/PVC/PVC/1kV1X35	35	1	13.0	465
CU/PVC/PVC/1kV4X35	35	4	31.5	2120
CU/PVC/PVC/1kV1X50	50	1	16.0	620
CU/PVC/PVC/1kV4X50	50	4	38.0	2800
CU/PVC/PVC/1kV1X70	70	1	18.0	880
CU/PVC/PVC/1kV1X95	95	1	22.0	1250
CU/PVC/PVC/1kV1X120	120	1	23.0	1550
CU/PVC/PVC/1kV1X150	150	1	27.5	1895
CU/PVC/PVC/1kV1X185	185	1	28.0	2320
CU/PVC/PVC/1kV1X240	240	1	31.5	3000
CU/PVC/PVC/1kV1X300	300	1	35.0	3800
CU/PVC/PVC/1kV1X400	400	1	40.0	4530