HMWPE/PVC INSULATED POWER CABLE

CELEBRATED ENTERPRISE IN CATHODIC PROTECTION

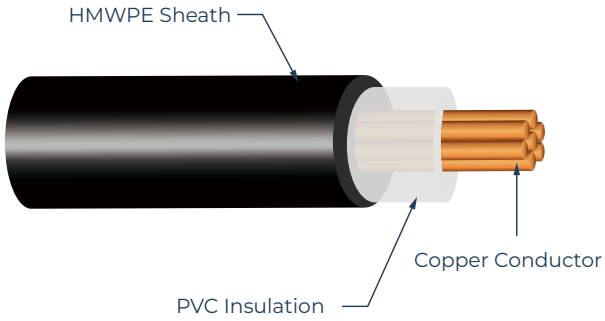
JENNINGS ANODES

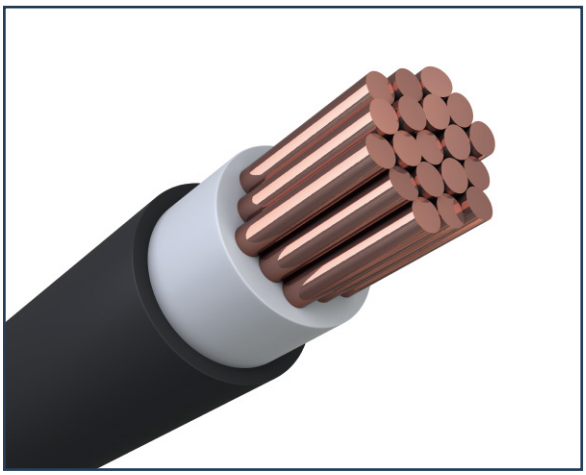
HMWPE/PVC INSULATED POWER CABLE

DATA SHEET

JENNINGS ANODES

The HMWPE/PVC cable features an insulation layer made of high molecular weight polyethylene (HMWPE) material, which is characterized by high strength and low-temperature resistance, effectively protecting the internal conductor from mechanical damage and environmental impacts. The sheath layer employs PVC material known for its excellent electrical insulation properties, superior resistance to chemical corrosion.



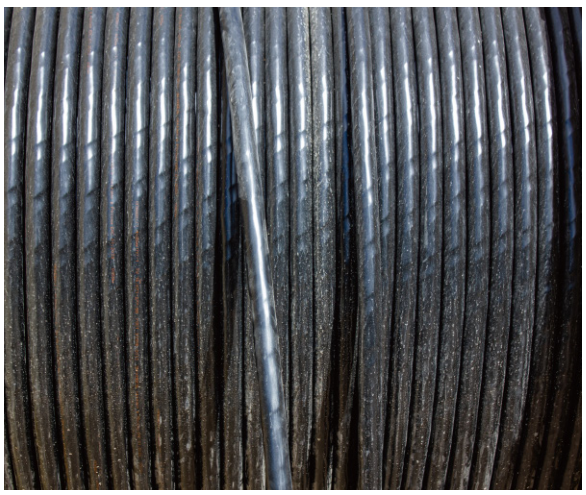


TECHNICAL DATA

Technical Measurement	Performance
Rated Voltage	0.6/1 kV
Operational Temperature	-40 °C ~ 90 °C
Insulation Resistance	≥ 3000 MΩ·cm
Minimum Bending Radius	Single Core: 10×OD

APPLICATION

The cable distinguishes itself with unique combination of high-strength insulation and corrosion-resistant sheath, making it a reliable choice for a wide range of applications. Its exceptional ability to endure extreme conditions while maintaining performance has established it as a preferred option for ensuring the durability of metal structures. This cable effectively prevents corrosion of underground tanks, pipelines, and other submerged or buried metal structures, owing to its sturdy insulation layer and abrasion-resistant sheath that effortlessly withstands external damage.



HMWPE/PVC INSULATED POWER CABLE

DATA SHEET

JENNINGS ANODES

SPECIFICATIONS

Cross Section	Strand Qty	Conductor Diameter	Insulation Thickness	Sheath Thickness	Overall Diameter	D.C. Resistance (@ 20°C)	Current Rating	Net Weight
6 mm^2	7	41 mils (1.04 mm)	28 mils (0.7 mm)	55 mils (1.4 mm)	0.06" (7.3 mm)	3.08 Ω/km	30 A	1.04 oz/ft (96 g/m)
10 mm^2	7	53 mils (1.35 mm)	28 mils (0.7 mm)	55 mils (1.4 mm)	0.29" (8.2 mm)	1.83 Ω/km	42 A	1.53 oz/ft (142 g/m)
16 mm^2	7	67 mils (1.7 mm)	28 mils (0.7 mm)	55 mils (1.4 mm)	0.36" (9.3 mm)	1.15 Ω/km	56 A	2.21 oz/ft (205 g/m)
25 mm^2	7	84 mils (2.14 mm)	35 mils (0.9 mm)	55 mils (1.4 mm)	0.43" (11 mm)	0.727 Ω/km	73 A	3.22 oz/ft (303 g/m)
35 mm^2	7	99 mils (2.52 mm)	35 mils (0.9 mm)	55 mils (1.4 mm)	0.48" (12.1 mm)	0.524 Ω/km	90 A	4.29 oz/ft (402 g/m)
50 mm^2	7	117 mils (2.98 mm)	39 mils (1 mm)	55 mils (1.4 mm)	0.51" (13.1 mm)	0.387 Ω/km	145 A	5.87 oz/ft (547 g/m)
70 mm^2	14	102 mils (2.58 mm)	43 mils (1.1 mm)	55 mils (1.4 mm)	0.59" (15.1 mm)	0.268 Ω/km	185 A	8.04 oz/ft (746 g/m)

Notes: All dimensions and weights are nominal. The parameter provided is subject to variation in material compositions and Jennings Anodes foundry tolerance.

Worldwide Service Network

Our worldwide network of sales and service centers can provide immediate advice and assistance on the complete range of products.

Global Headquarter

3115 Fry Road Ste 303, Katy, Texas 77449, United States

Email: sales@jenningsanodes.com
Tel: +1 (281) 501 8398 / +1 (713) 799 3884

www.jenningsanodes.com

UK Office

Tatham Street, Hendon, Sunderland SR1 2AG, United Kingdom

Email: sales@jenningsanodes.co.uk
Tel: +44 (0) 191 510 8843
Fax: +44 (0) 191 514 7749

www.jenningsanodes.co.uk

Asia Pacific Office

120 Lower Delta Road, #07-13 Cendex Centre, Singapore 169208

Email: inquiries@jenningsanodes.com
Tel: +65 6715 1514

View Our Website

Follow Us On LinkedIn