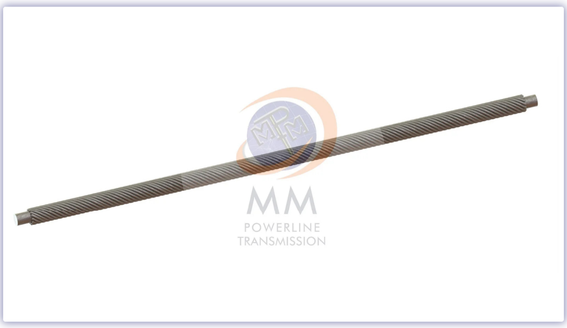
Armour Rod Manufacturer And Supplier In India

Armour Rod

Download Product details

MM Power Line Transmission (MMPT) manufactures and supplies armour rods for overhead power line conductors. Armour rods help protect conductors against abrasion and distribute mechanical stress around support points.

Explore the technical specifications and conductor compatibility details below. For product selection and quotations, send us your conductor type, outside diameter, required quantity and project specifications.



MM Powerline Transmission is committed to providing advanced solutions for electrical power transmission. We recognize that the effectiveness and reliability of power systems depend on every component, including conductor accessories. Among our top products is the armour rod, a vital accessory designed to boost the performance and lifespan of electrical conductors.

An armour rod is a key conductor accessory made from premium metals like aluminium or steel. This cylindrical component is engineered to be placed over electrical conductors, especially at points that experience significant mechanical stress. Armor rods are essential for improving the durability and operational efficiency of high voltage transmission lines by offering strong protection against various stresses.

Primary Functions of Armour Rods

1. **Protection from Abrasion and Wear**: Armor rods serve as a protective shield for conductors, guarding them against abrasive forces and wear. This protection is crucial in areas where conductors may come into contact with other surfaces or face considerable vibration.
2. **Even Distribution of Stress**: By distributing mechanical stress more evenly along the conductor, armour rods help prevent the formation of stress points that could lead to conductor damage or failure.
3. **Protection for Insulation**: Armor rods not only protect the conductor but also the insulation surrounding it, which is vital for maintaining the overall safety and effectiveness of the power transmission system.
4. **Increased Mechanical Strength**: Armor rods enhance the conductor's strength, making it more resilient to environmental stresses such as wind, ice, and severe weather conditions.

Applications of Armour Rods

Our armour rods are adaptable and used in several important areas of power transmission:

- **Splices and Joints**: At the connections where conductors are joined, armour rods provide crucial protection to withstand mechanical stress and wear at these sensitive points.
- **Dead Ends**: For conductors that end at poles or towers, armour rods are essential for protecting these termination points where mechanical stress is highest.
- **Overhead Power Lines**: In overhead installations, armour rods help shield conductors from environmental damage and mechanical strain, ensuring long-term reliability and performance.

Installation and Maintenance

Installing armour rods involves placing them over the conductor at the correct location and securing them with appropriate hardware. It's vital to ensure accurate installation to prevent any potential damage to the conductor or its insulation.

Routine maintenance includes checking armour rods regularly to ensure they are in good condition. Due to environmental factors and mechanical stresses, periodic inspections and possible replacements are necessary to maintain their protective role.

Benefits of Armour Rods

- **Extended Lifespan**: Armor rods significantly prolong the life of conductors by offering essential protection, reducing the frequency of repairs or replacements.
- **Increased Reliability**: By minimizing conductor damage and breakdowns, armour rods contribute to a more reliable power transmission system, resulting in fewer outages and improved service reliability.
- **Cost-Effectiveness**: Investing in high-quality armour rods is cost-effective over time, as they help avoid the substantial costs of frequent maintenance and repairs.

MM Powerline Transmission Company is pleased to offer armour rods as part of our extensive range of conductor accessories. These critical components play a significant role in maintaining the integrity and efficiency of power transmission systems. By using our advanced armour rods, utilities can enhance the reliability and durability of their electrical infrastructure, ensuring a more stable and efficient power supply.

For further information on how MM Powerline Transmission's armour rods can benefit your power transmission setup, please contact us. Together, we can achieve excellence in every aspect of electrical transmission.

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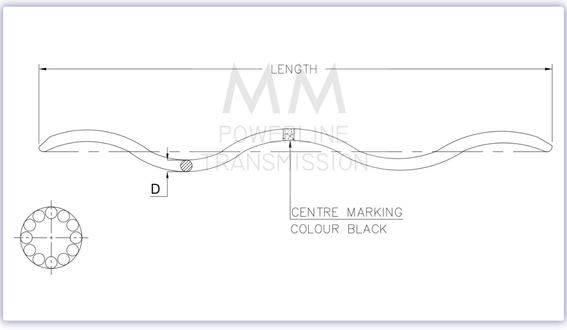

BOQ

SL. NO	DESCRIPTION	MATERIAL	QTY./SET
1	ARMOUR ROD	ALUMINIUM ALLOY	1 NOS

TECHNICAL DATA

1. ALL DIMENSIONS ARE IN MM.
2. CONDUCTIVITY : 40% OF IASC (MIN)
3. U.T.S. OF EACH ROD : 35Kg. / Sq.mm. (MIN)
4. SPECN. TO WHICH ITEM CONFORMS IS: 2121 PART-I, 1981
5. LAY DIRECTION : RIGHT HAND
6. WEIGHT IS INDECATIVE ONLY, NOT MANDATORY
7. GENERAL TOLARENCE
   G. DIA = ±2%
   H. LENGTH = ±2%

Our Brands

TATA POWER-DDL | torrent POWER | Fiber@Home | adani Renewables | HYDRO POWER

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