

# Cable Gasket and Washer Set

This gasket and washer set is designed for use with electrical equipment cables in railway vehicles and urban rail systems. It provides sealing and protection for power distribution, control, and signaling systems.

## 交流额定电压 3kV 及以下铁路机车车辆用电缆 (电线)

本产品适用于交流额定电压3kV及以下铁路机车车辆及城市轨道交通车辆用电缆系统。控制线路和信号系统的电气装备用电缆。

- **产品执行标准**  
GB2528—90 交流额定电压 3kV 及以下铁路机车车辆用电缆 (电线)  
GB / T12528.11-2003 交流额定电压铁路机车车辆用电缆 (电线)
- **电缆使用特性**
  1. 电缆额定电压 250V、500V、750V、1.5kV 和 3kV。
  2. 电缆额定电压的额定工作温度:  
丁苯橡胶绝缘和普通氯磺化聚乙烯绝缘是 70℃;  
交联橡胶绝缘是 120℃、150℃ 两种;  
热塑性氟乙烯树脂绝缘是 100℃;  
氟橡胶-乙烯基二氟乙烯绝缘是 150℃;  
聚四氟乙烯绝缘是 200℃;  
聚四氟乙烯 200℃;  
氟硅橡胶 200℃。
  3. 电缆使用环境:  
除了规定的限制工作温度外, 还应遵照下列规定:  
氟橡胶-乙烯基二氟乙烯绝缘和聚四氟乙烯绝缘材料应避免与强氧化性物质接触;  
交联橡胶绝缘应避免与矿物油接触; 热塑性氟乙烯树脂绝缘应避免与强氧化性物质接触;  
氟硅橡胶应避免与强氧化性物质接触。
  4. 电缆敷设及安装要求:  
电缆外径(D)为 50mm 及以下者不大于 30°;  
电缆外径(D)为 50mm 以上者不大于 30°。

## Product Overview

### Railway Vehicle Cable Solutions

These cables are engineered for electrical equipment in power distribution, control, and signaling systems for railway and urban rail vehicles. Designed to withstand demanding environments, they support AC rated voltages up to 3kV. The range offers various insulation types to accommodate specific temperature requirements and chemical exposure conditions, ensuring reliable performance in transit infrastructure.

## Technical Standards

### Compliance Standards

GB12528-90, GB/T12528.11-2003

## Electrical Ratings

### Available Rated Voltages

- 250V
- 500V
- 750V
- 1.5kV
- 3kV

## Operating Temperature

### Long-term Operating Temperature Limits

Insulation Material	Max Temp
Styrene-butadiene rubber / Ordinary chlorosulfonated polyethylene	70
Heat-resistant chlorosulfonated / Heat-resistant ethylene propylene	100
Cross-linked polyolefin (Type 1)	125
Cross-linked polyolefin (Type 2)	150
Polyvinylidene fluoride trifluoroethylene	150
Polytetrafluoroethylene	200
Tetrafluoroethylene	250

## Installation Requirements

### Bending Radius (D ≤ 20mm)

3 D

### Bending Radius (D > 20mm)

5 D

## Environmental Compatibility

### Oil Resistance Capabilities

Mineral Oil Resistant • Fuel Oil Resistant • Acid Resistant • Alkali Resistant