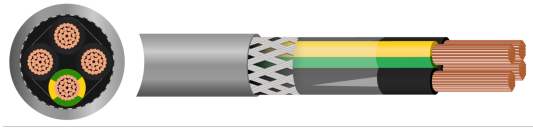


Control PUR-JZ Screened Cable - 1mm² to 6mm²



Description

PUR-JZ screened cable is a high-performance control and signal line featuring Class 5 copper conductors, PVC insulation, and a Polyurethane (PUR) outer sheath. It features a tinned copper wire braid (TCWB) to provide effective electromagnetic compatibility (EMC) shielding, mitigating signal distortion in high-interference environments. It is engineered for durability, with a bending radius of bend radius of 5 times the outer diameter while offering operational stability across a wide thermal range, from -40°C to +80°C.

The cables is designed for high-stress industrial applications and is particularly suited for environments where resistance to mineral oils, coolants, and abrasion is critical. It is frequently deployed in machine tool manufacturing, automotive production, and robotic assembly lines due to its superior mechanical strength and tearing resistance. The "JZ" variant has black, numbered cores with an integrated green-yellow earth conductor, supporting safe electrical termination in systems requiring a dedicated ground.

The main advantage of the PUR-JZ variant is its chemical and UV resistance, allowing for reliable performance in both indoor and outdoor settings. Its polyurethane jacket is notch-resistant and flame-retardant, providing a robust solution for installations subjected to continuous flexing or medium mechanical loads. This combination of durability and shielding makes it the preferred choice for industrial sectors requiring long-term reliability under harsh operational conditions.

Key Features



Voltage Rating
300/500 Volts



Minimum Bending Radius
Fixed: 5 x overall diameter
Flexing: 10 x overall diameter



Flame Retardancy
BS EN/IEC 60332-1-2



Temperature Limits
Fixed: -40°C to +80°C
Flexing: -5°C to +80°C

Core Colours

Green Yellow and Black numbered

Standards

- BS EN/IEC 60811-404
- BS EN/IEC 60332-1

Construction

- **Conductor:** Class 5 flexible stranded copper conductor
- **Insulation:** Polyvinyl Chloride (PVC)
- **Braiding:** Tinned Copper Wire Braiding (TCWB)
- **Outer Sheath:** Polyurethane (PUR)
- **Sheath Colour:** Grey

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

ecovadis

Control PUR-JZ Screened Cable - 1mm² to 6mm² - Dimensions

| Reference | Conductor Size (mm ²) | No Of Cores | Overall Diameter(mm) | Weight(Kg/Km) |
|--------------|-----------------------------------|-------------|----------------------|---------------|
| PURJZS2X1 | 1 | 2 | 6.10 | 65 |
| PURJZS3X1 | 1 | 3 | 6.20 | 80 |
| PURJZS4X1 | 1 | 4 | 6.90 | 125 |
| PURJZS5X1 | 1 | 5 | 7.40 | 125 |
| PURJZS7X1 | 1 | 7 | 8.90 | 170 |
| PURJZS2X1/5 | 1.5 | 2 | 7.10 | 95 |
| PURJZS3X1/5 | 1.5 | 3 | 6.70 | 135 |
| PURJZS4X1/5 | 1.5 | 4 | 7.50 | 150 |
| PURJZS5X1/5 | 1.5 | 5 | 8.20 | 160 |
| PURJZS7X1/5 | 1.5 | 7 | 10 | 210 |
| PURJZS3X2/5 | 2.5 | 3 | 8.50 | 180 |
| PURJZS4X2/5 | 2.5 | 4 | 9.80 | 220 |
| PURJZS5X2/5 | 2.5 | 5 | 11.00 | 240 |
| PURJZS7X2/5 | 2.5 | 7 | 12.40 | 345 |
| PURJZS4X4 | 4 | 4 | 11.50 | 305 |
| PURJZS5X4 | 4 | 5 | 13.20 | 395 |
| PURJZS4X6 | 6 | 4 | 14.00 | 435 |
| PURJZS5X6 | 6 | 5 | 15.20 | 510 |
| PURJZS12X1 | 12 | 1 | 10.90 | 262 |
| PURJZS12X1/5 | 12 | 1.5 | 12.10 | 352 |
| PURJZS12X2/5 | 12 | 2.5 | 15.50 | 580 |
| PURJZS18X1 | 18 | 1 | 13.80 | 390 |
| PURJZS8X1/5 | 18 | 1.5 | 15.40 | 510 |
| PURJZS18X2/5 | 18 | 2.5 | 19.00 | 985 |
| PURJZS21X1 | 21 | 1 | 13.50 | 480 |
| PURJZS25X1 | 25 | 1 | 15.70 | 590 |
| PURJZS25X1/5 | 25 | 1.5 | 17.80 | 725 |
| PURJZS25X2/5 | 25 | 2.5 | 22.10 | 1365 |

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