

# PVC Zipper Sleeve - Product Datasheet

---

## Product Overview

---

**Product Name:** PVC Zipper Sleeve

**Brand:** JDDTECH

**Product Code:** JDD-ZW Series (Zipper Wrap)

**Type:** Braided Cable Management Sleeve with Zipper Closure

## Product Description

---

The PVC Zipper Sleeve is designed for efficient and secure bundling and protection of wire harnesses, cable assemblies, flat ribbon cables, tubing and hoses. Featuring a convenient zipper design, this sleeve allows for easy installation and removal without disconnecting components, similar to closing a coat with a zipper. It provides excellent protection against flame and abrasion while maintaining flexibility and durability.

## Key Features

---

- ✓ **Easy Installation:** Zipper closure design allows installation on pre-assembled harnesses
- ✓ **Reusable:** Quick install/uninstall for maintenance and modifications
- ✓ **Flame Retardant:** VW-1 flammability rating
- ✓ **Abrasion Resistant:** Durable braided construction
- ✓ **Flexible:** Adapts to complex routing paths
- ✓ **Cost-Effective:** Reduces installation time and labor costs

## Applications

---

- Wire harnesses and cable bundles
- Cable assemblies in automotive applications
- Flat ribbon cables
- Tubes and hoses
- Home and office cable management
- Railway wire protection
- Industrial equipment wiring
- Panel board applications

# Technical Specifications

---

## Material Properties

Property	Value
Base Material	Polyester Braided (PET)
Closure Type	Integrated Zipper
Operating Temperature	-50°C to +150°C
Melting Point	240±10°C
Flammability Rating	VW-1
Standard Color	Black (custom colors available)
UV Resistance	Good
Chemical Resistance	Moderate

## Environmental & Safety Compliance

Standard	Status
RoHS	Compliant
REACH	Compliant
Halogen Free	Yes (on request)
UL Recognition	Available

## Available Sizes

---

Part Number	Nominal Width (W)	Max. Bundle Diameter (I)	Standard Packing
JDD-ZW-12	12 mm	8 mm	On request
JDD-ZW-20	20 mm	15 mm	On request
JDD-ZW-30	30 mm	20 mm	On request

Part Number	Nominal Width (W)	Max. Bundle Diameter (I)	Standard Packing
JDD-ZW-50	50 mm	35 mm	On request
JDD-ZW-64	64 mm	45 mm	On request

**Notes:** - W = Nominal flat width of sleeve - I = Maximum round inner diameter when closed - Custom sizes available upon request - Minimum order quantities apply

## Installation Instructions

---

### Installation Procedure

1. **Measure Cable Bundle:** Determine the diameter of your cable bundle
2. **Select Size:** Choose appropriate sleeve size based on bundle diameter
3. **Open Zipper:** Unzip the full length of the sleeve
4. **Position Cables:** Place cables inside the open sleeve
5. **Close Zipper:** Zip the sleeve closed from one end to the other
6. **Verify Fit:** Ensure sleeve is not too tight or loose

### Maintenance & Re-routing

- Simply unzip to add, remove, or inspect cables
- No need to disconnect connectors or terminals
- Sleeve can be reused multiple times
- Clean with mild detergent if needed

## Performance Characteristics

---

### Mechanical Properties

- **Tensile Strength:** High
- **Abrasion Resistance:** Excellent (300% better than standard sleeves)
- **Flexibility:** High - conforms to complex cable routes
- **Expandability:** Accommodates various bundle sizes
- **Zipper Durability:** 1,000+ open/close cycles

## Electrical Properties

- **Dielectric Strength:** Good insulation properties
- **Static Dissipation:** Standard grade (ESD version available)

## Thermal Properties

- **Continuous Use Temperature:** -50°C to +150°C
- **Short-term Peak:** Up to 175°C
- **Cold Flexibility:** Maintains flexibility at -50°C
- **Heat Aging Resistance:** Excellent

## Comparison with Standard Wraps

Feature	Zipper Sleeve	Standard Expandable	Self-Closing Wrap
Installation Speed	★★★★★	★★★	★★★★★
Reusability	★★★★★	★★	★★★★★
Security	★★★★★	★★★	★★★
Appearance	★★★★★	★★★★★	★★★
Cost	\$\$\$	\$	\$\$

## Ordering Information

### Part Number Format

**JDD-ZW-[SIZE]-[COLOR]**

Example: JDD-ZW-30-BK (30mm, Black)

### Color Codes

- **BK** = Black (standard)
- **GR** = Grey
- **WH** = White
- **Custom colors available on request**

## Packaging Options

- Standard spools (length varies by size)
- Cut-to-length pieces
- Custom packaging available

## Technical Support

---

For technical assistance, custom specifications, or bulk orders:

**Manufacturer:** Shenzhen JDD Tech Co., Ltd.

**Website:** [www.jddsleeve.com](http://www.jddsleeve.com)

**Email:** Available through distributor

**Distributor:** Do-X Logistics

**Website:** [www.do-xlogistics.com](http://www.do-xlogistics.com)

## Important Notes

---

1. All dimensions are nominal and subject to manufacturing tolerances
2. Operating temperature ranges are for continuous use; short-term peaks may be higher
3. Chemical resistance varies by substance - contact manufacturer for specific applications
4. UV resistance is good but prolonged outdoor exposure may cause gradual degradation
5. Flammability ratings are based on standard test methods; actual performance may vary
6. Custom specifications, colors, and sizes available upon request with minimum order quantities

## Storage & Handling

---

- Store in cool, dry place away from direct sunlight
- Avoid contact with solvents and strong chemicals
- Keep away from sharp objects that may damage zipper
- Shelf life: 3 years under proper storage conditions

---

**Document Version:** 1.0

**Last Updated:** 2025-11-25

**Product Category:** Cable Management & Protection

*This datasheet is compiled from manufacturer specifications and industry standards. For the most current information, please contact the manufacturer or authorized distributor.*