Orange Textile Self-closing Wrap

CR-BS-4003 · Braided Sleeving Series



Description

CR-BS-4003 is made of polyester monofilament and multifilament, combining flexibility, wear resistance and dust resistance. The open design facilitates installation and maintenance. The dense structure provides a high level of protection for key components.

Product Features

- Working Temperature
- Easy to Install
- High Coverage
- Wear Resistant and Soft
- Lightweight and Very Flexible
- Dust-proof function
- Identify High Voltage

Standard / Certification

FMVSS 302 · ISO 6722-1 · REACH

Performance specifications

Test Item	Test Method	Test Results
Impact test after thermal aging	175°C, 336 hours	No cracking or fracture.
Low temperature bending test	−40°C, 4 hours	No cracking or fracture.
Abrasion test	ISO 6722-1	Class 4, ≥5000 times
Flammability	FMVSS 302	Self extinguishes.
Fluid resistance and chemical test	D47 1924	No fading, no decomposition.
Hot bending test	Bend the sleeve 180° around a column, hang 1kg weights on both ends, put it in a 175°C oven for 3 hours, then take it out to room temperature and check visually.	No damage or distortion.

Specifications

Part No.	Nominal I.D. (mm)	Applicable Range (mm)	Reel Length (m/reel)	Art. No.
CR-BS-40030514	5	4~6	200	PC-005-OR
CR-BS-40030814	8	7~9	100	PC-008-OR
CR-BS-40031014	10	9~11	100	PC-010-OR
CR-BS-40031314	13	11~15	100	PC-013-OR
CR-BS-40031614	16	15~18	100	PC-016-OR
CR-BS-40031914	19	18~23	50	PC-019-OR
CR-BS-40032514	25	23~28	50	PC-025-OR
CR-BS-40032914	29	28~31	25	PC-029-OR
CR-BS-40033214	32	31~34	25	PC-032-OR
CR-BS-40033814	38	34~42	25	PC-038-OR

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Notes

- All the above test parameter values are typical values. For specific product test reports, please consult your sales representative.
- It can be cut to a fixed length as required.
- Other sizes can be customized upon request.

Product Advantages

- **Wide Temperature Range: −40℃ ~ +150℃**
  Passes −40℃/4h low-temperature bending test and 175℃/336h impact test after thermal aging with no cracking or fracture, reliable in both cold and hot conditions.
- **Open Self-closing Structure for Easy Installation & Maintenance**
  The open self-closing design opens and closes without tools, enabling quick installation, addition and maintenance of wires, while the dense structure provides high coverage.
- **Excellent Flame Retardance, Self-extinguishing to FMVSS 302**
  Flammability test per FMVSS 302 shows self-extinguishing results, providing reliable flame-retardant protection for new energy vehicle and automotive wiring harnesses.
- **Wear Resistant & Soft, ISO 6722-1 Class 4**
  Abrasion test per ISO 6722-1 reaches Class 4 with ≥5000 times, while the soft, lightweight texture allows flexible routing along the harness.
- **Dust-proof Protection for Key Components**
  The dense braided structure is dust-proof and provides a high level of protection for key components.
- **Orange Appearance for High-Voltage Identification**
  The orange color is usually used to identify high-voltage cables, widely used to identify and protect high-voltage harnesses of new energy vehicles.

Application Scenarios

- **New Energy Vehicle High-Voltage Harnesses**
  Protects high-voltage wire harnesses of new energy vehicles; the orange color identifies high-voltage cables for easy recognition and maintenance.
- **Automotive Harnesses & Electrical Lines**
  Self-extinguishing, abrasion resistant and soft, suitable for protecting and organizing vehicle harnesses and electrical lines.
- **Internal Harnesses of Electronic Equipment**
  Lightweight and flexible with an easy open/close design, convenient for organizing, adding and maintaining internal wiring of electronic equipment.
- **Industrial Machinery & Equipment**
  Abrasion and dust resistance provide long-lasting, reliable protection for wiring and hoses of industrial machinery.
- **Electrical Systems Requiring High-Voltage Marking**
  Orange self-closing wrap provides clear identification and protection for high-voltage cables and components, improving electrical safety.