Thicken Plain Weave Self-closing Wrap

CR-BS-4001 · Braided Sleeving Series



Description

CR-BS-4001 is a self-closing wrap and woven from PET monofilaments and multifilaments. The orange appearance facilitates high-voltage identification and it'

Product Features

- Working Temperature
- Excellent Impact Resistance
- Excellent Wear Resistance
- Easy Installation

Standard / Certification

ISO 6722-1 · FMVSS 302 · ISO 9001 · IATF 16949 · ISO 14001 · ISO 45001 · GJB9001

Performance Parameter

Test Items	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	6 Class, > 30000 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)	Thickness (mm)	Reel Length (m/reel)
CR-BS-40010714	7	1.0 ± 0.2	100
CR-BS-40011014	10	1.0 ± 0.2	100
CR-BS-40011314	13	1.0 ± 0.2	100
CR-BS-40011614	16	1.0 ± 0.2	100
CR-BS-40011914	19	1.0 ± 0.2	50
CR-BS-40012514	25	1.0 ± 0.2	25

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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

- CR-BS-4001 is woven from PET monofilament and multifilament; its thicken plain-weave single-layer structure is firm and dense, providing excellent impact protection for wire harnesses.
- The self-closing design enables complete closure without tools or additional tape, allowing convenient and efficient installation and removal.
- It offers superior abrasion resistance, passing ISO 6722-1 Class 6 with abrasion cycles > 30,000 times, effectively resisting mechanical friction.
- After heat ageing at 175°C for 336 hours, the impact test shows no cracking or fracture; the -40°C low-temperature bending test for 4 hours also shows no cracking, demonstrating strong environmental adaptability.
- Certified to ISO 9001, IATF 16949, ISO 14001, ISO 45001, and military GJB9001C, available in 6 sizes from Φ7mm to Φ25mm with customization.
- The orange exterior serves as a high-voltage wire identification color, enabling quick identification of high-voltage harnesses in vehicles for safer maintenance.
- With an operating temperature range of -40°C to 150°C and excellent low-temperature resistance, it adapts to conditions from extreme cold to higher temperatures.
- Flammability passes the FMVSS 302 test with self-extinguishing performance, enhancing the fire safety of the harness system.
- It passes D47 1924 fluid and chemical testing with no fading or decomposition; the hot-bending test (sleeve bent 180° around a post with a 1KG weight, 175°C for 3h) shows no damage or distortion.

Application Scenarios

- It is primarily used for automotive chassis wire harness protection, effectively preventing stone-impact damage to chassis harnesses.
- It is suitable for complete wrapping protection of automotive high-voltage harnesses, with orange color for easy high-voltage identification.
- It provides impact and abrasion protection for high-voltage systems such as EV battery packs and chassis.
- It is applicable for harness protection of vehicles with harsh chassis conditions such as off-road and commercial vehicles.
- It is used for centralized protection of wire harnesses with high impact requirements in industrial equipment and construction machinery.
- It supports cutting to fixed lengths or customizing other sizes, flexibly adapting to various chassis and high-voltage harness projects.