Thicken Twill Weave Self-closing Wrap

CR-BS-4002 · Braided Sleeving Series



Description

CR-BS-4002 is composed of PET monofilament and multifilament. It features excellent abrasion resistance and effective dust-proof properties. The open structure allows for tool-free installation.

Product Features

- Working Temperature
- Excellent Abrasion Protection
- No Tool Install
- Dustproof and Noise Reduction Function

Standard / Certification

ISO 6722-1 · REACH · FMVSS 302

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-40020701	7	1.6 ± 0.2	100
CR-BS-40021001	10	1.6 ± 0.2	50
CR-BS-40021301	13	1.6 ± 0.2	50
CR-BS-40021601	16	1.6 ± 0.2	50
CR-BS-40021901	19	1.6 ± 0.2	50
CR-BS-40022501	25	1.6 ± 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

- **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.
- **Thickened Twill Weave for Reliable Protection**
  Thickened twill weave with a substantial wall thickness of 1.6±0.2mm delivers stronger, more durable mechanical protection.
- **Flame Retardant to FMVSS 302, Self-extinguishing**
  Flammability test per FMVSS 302 shows self-extinguishing results, providing reliable flame-retardant protection for automotive and other industries.
- **Excellent Abrasion Protection, ISO 6722-1 Class 6**
  Abrasion test per ISO 6722-1 reaches Class 6 with >30000 times, offering outstanding wear protection for wire harnesses and hoses.
- **Tool-free Installation with Open Structure**
  The open self-closing structure allows quick tool-free installation and removal, making it easy to add wires or perform maintenance.
- **Dust-proof & Noise Reduction**
  Combines effective dust-proof properties with noise reduction, keeping harnesses clean and suppressing operating noise.

Application Scenarios

- **Automotive Wire Harnesses & Hoses**
  Protects automotive wire harnesses and hoses, particularly in areas requiring abrasion protection.
- **Large Machinery & Construction Equipment**
  Abrasion protection for harnesses and hydraulic hoses of large machinery under demanding operating conditions.
- **Wires & Hoses in High-Wear Industrial Fields**
  Ideal for wires and hoses in mining, heavy industry and other fields requiring excellent abrasion protection.
- **Electrical Cabinets & Electronic Equipment**
  Dust-proof and noise-reducing with easy retrofitting, keeping cabinet wiring tidy and quiet.
- **Agricultural & Special Vehicles**
  Abrasion and dust protection for wire harnesses and hoses of agricultural and special vehicles.