PET&PA Monofilament Braided Sleeving

CR–BS–1001 · Braided Sleeving Series

Description

CR–BS–1001 is braided with a blend of PET and PA monofilaments that can expand to several times its diameter, is easy to install, and has excellent abrasion and chemical resistance.

Product Features

- Working Temperature
- Expandability
- Easy Installation
- Excellent Flame Retardancy
- Acid and Alkali Resistance
- Excellent Abrasion Resistance
- Lightweight and Breathable Textile Design



Standard / Certification

FMVSS 302 · ISO 6722–1 · REACH

Performance Parameter

Test Items	Test Method	Test Results
Flammability Test	FMVSS 302	Pass
Abrasion Resistance Test	ISO 6722–1:2006	Grade 6

Specifications

Part No.	Reference Width (mm)	Applicable Range (mm)	Reel Length (m/reel)
CR–BS–1001100601	6 ± 2	3–9	300
CR–BS–1001100801	8 ± 2	5–12	300
CR–BS–1001101001	10 ± 2	7–15	300
CR–BS–1001101201	12 ± 2	8–18	200
CR–BS–1001101401	14 ± 2	10–20	200
CR–BS–1001101601	16 ± 3	12–22	200
CR–BS–1001101901	19 ± 3	14–25	200
CR–BS–1001102501	25 ± 3	18–30	200
CR–BS–1001103201	32 ± 4	25–40	150
CR–BS–1001103801	38 ± 4	30–45	100
CR–BS–1001105001	50 ± 5	40–60	100

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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 Working Temperature Range: –50℃~+150℃**
  Operates reliably over a wide –50℃ to 150℃ range, suitable for demanding automotive and other applications.
- **Easy Installation**
  The elastic braided structure installs quickly without disassembling connectors, greatly saving installation time.
- **Acid, Alkali & Chemical Resistance**
  Excellent resistance to acids, alkalis and chemical media, suitable for oily and chemical environments.
- **Lightweight & Breathable Textile Design**
  Lightweight, breathable textile structure offers good heat dissipation without adding burden to the harness.
- **High Expandability**
  The PET & PA blended braided structure expands to several times its diameter for easy fitting over connectors and harnesses.
- **Excellent Flame Retardancy, FMVSS 302 Pass**
  Flammability tested to FMVSS 302 and passes, meeting automotive flame–retardant requirements.
- **Excellent Abrasion Resistance, ISO 6722–1 Grade 6**
  Abrasion resistance reaches ISO 6722–1:2006 Grade 6, effectively protecting cables from wear.

Application Scenarios

- **Automotive Hose & Duct Protection (Core Application)**
  Protects automotive hoses, ducts and other critical parts from abrasion and chemical attack.
- **Automotive Harnesses & Connectors**
  High expandability eases fitting over connectors and harnesses; flame retardance meets automotive requirements.
- **Engine Bay & High–Temperature Areas**
  Rated –50℃ to 150℃ with oil and chemical resistance, ideal for cables around the engine bay.
- **Machinery & Equipment Cable Protection**
  Provides abrasion and chemical protection plus tidy bundling for machinery and equipment cables.