PET Monofilament Braided Sleeving

CR-BS-1002 · Braided Sleeving Series



Description

CR-BS-1002 is braided from high quality PET monofilament. Expandable for easy snapping into connectors and long distance harnesses. Excellent abrasion and chemical resistance. Available in a variety of colors with flat hot cut ports.

Product Features

- Working Temperature
- High Expandability
- Excellent Flame Retardancy
- Excellent Abrasion Resistance
- Variety of Colors Available
- Clean Hot Cut Edges

Standard / Certification

REACH · ISO 6722-1:2006

Performance Parameter

Test Items	Test Method	Test Results
Flammability Test	GB/T 2408-2021	:HBHB I Horizontal Burning Rating:HB
Abrasion Resistance Test	ISO 6722-1:2006	Grade 4

Specifications

Part No.	Reference Width (mm)	Applicable Range (mm)	Reel Length (m/reel)	Art. No.
CR-BS-1002250301	3 ± 1	1-5	1000	PET-003
CR-BS-1002250601	6 ± 2	3-9	500	PET-006
CR-BS-1002250801	8 ± 2	5-12	300	PET-008
CR-BS-1002251001	10 ± 2	7-15	300	PET-010
CR-BS-1002251201	12 ± 2	8-18	300	PET-012
CR-BS-1002251401	14 ± 2	10-20	300	PET-014
CR-BS-1002251601	16 ± 3	12-22	300	PET-016
CR-BS-1002251901	19 ± 3	14-25	300	PET-019
CR-BS-1002252501	25 ± 4	18-30	200	PET-025
CR-BS-1002252801	28 ± 4	20-35	200	PET-028
CR-BS-1002253201	32 ± 4	25-40	200	PET-032
CR-BS-1002253801	38 ± 4	30-45	100	PET-038
CR-BS-1002255001	50 ± 5	40-60	100	PET-050
CR-BS-1002256401	64 ± 5	45-80	50	PET-064

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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℃**
  Working temperature from –50°C to 150°C — PET monofilament stays stable in both extreme cold and hot conditions.
- **Excellent Flame Retardancy**
  Flammability tested to GB/T 2408–2021 with vertical burning rating V0 and horizontal rating HB.
- **Excellent Chemical Resistance**
  PET monofilament resists oils, solvents and other chemicals, suiting demanding engine–bay environments.
- **Clean Hot Cut Edges**
  Hot–cut ports are flat and fray–free; lengths are cut flexibly without damaging cables during installation.
- **High Expandability, Easy Installation**
  The braided structure expands radially to slip over connectors and long–distance harnesses without disassembly.
- **Excellent Abrasion Resistance (Grade 4)**
  Abrasion resistance reaches Grade 4 per ISO 6722–1:2006, durably protecting harnesses, hoses and pipes from wear.
- **Variety of Colors Available**
  Available in a variety of colors for easy color–coding and organization of harnesses by circuit or system.

Application Scenarios

- **Engine Compartment Protection (Core Application)**
  Suitable for protecting automotive hoses, pipes and cables in the engine compartment from abrasion.
- **Connectors & Long–Distance Harnesses**
  High expandability allows direct slipping over connectors and long–distance harnesses for quick, tool–free installation.
- **Industrial Machinery & Equipment Wiring**
  Provides abrasion–resistant mechanical protection for cables and hoses near moving parts and wear–prone areas.
- **Electrical & Electronic Equipment WiringV0**
  V0 flame retardancy raises the safety level inside equipment; multiple colors aid harness identification and routing.
- **Hoses & Pipeline Protection**
  Wraps exposed hoses and pipelines against abrasion and external damage, effectively extending their service life.