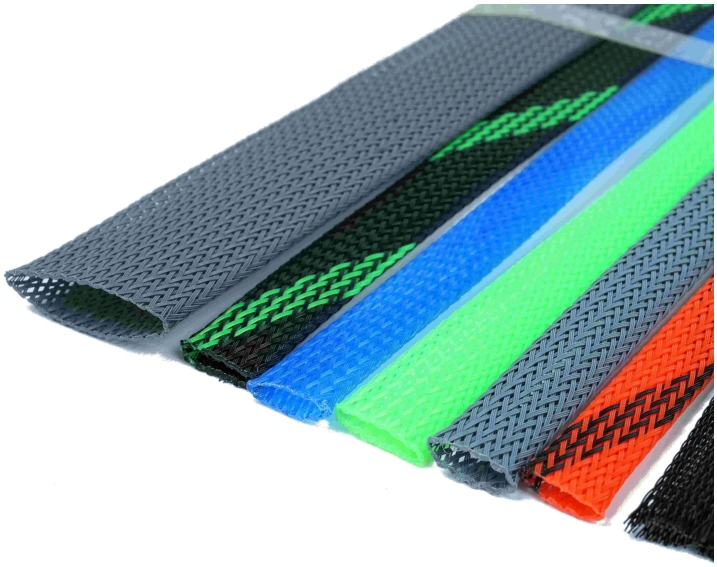
PET Flame-retardant Braided Sleeving

CR-BS-1006 · Braided Sleeving Series



Description

PET braid sleeve is made by PET filament, has good scalability, flame retardant, acid resistance and heat resistance. Product surface is smooth, bright color, great variety, product main function is to beautify the adornment, isolation wire, widely used in computer power cord, audio video line, automotive, aviation, wire and cable industry, protect and beautify the role.

Product Features

- High Expansion Ratio, 1~3x Expandable
- Extremely Soft, Flexible & Elastic
- Wide Operating Temperature Range
- Self-extinguishing Flame-retardant
- Chemical & Acid Resistant
- High Strength, Lightweight
- ROHS Compliant
- Smooth Surface, Vibrant Colors

Standard / Certification

ISO9001 · IATF16949 · ISO14001 · ISO45001 · GJB9001C

Performance Parameter

Property	Test Method	Typical Value
Tensile strength	ASTM D-876	100,000 psi
Elongation	ASTM D-876	20%
Specific gravity	ASTM D-876	1.31
Moisture absorption (24h)	ASTM D-570	0.08%
Max. operating temperature	UL224	125℃
Melt temperature	ASTM D-2117	240℃
Low temperature flexibility	MIL123053/5	-70℃
Flexural modulus	ASTM D-790	400
Fungus resistance	MIL STD 810 (508)	No Growth
Copper corrosivity	MIL123053	No Effect

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Product Specifications

Part No.	Nominal I.D (mm)	Inch	Min (mm)	Max (mm)	Reel (m)	Strands
32502464-8X	6.40	1/4"	3.17	9.53	1000	3
125048064-13X	6.40	1/4"	3.17	9.53	1000	1
320040064-8X	6.40	1/4"	3.17	9.53	1000	3
125032032-11X	3.20	1/8"	2.37	6.35	1000	1
320024032-8X	3.20	1/8"	2.37	6.35	1000	3
325016032-8X	3.20	1/8"	2.37	6.35	1000	3
325036095-10X	9.50	3/8"	4.76	15.88	500	3
125072095-11X	9.50	3/8"	4.76	15.88	500	1
320056095-8X	9.50	3/8"	4.76	15.88	500	3
325048127-10X	12.70	1/2"	6.35	19.05	500	3
320072127-8X	12.70	1/2"	6.35	19.05	500	3
325072191-8X	19.10	3/4"	12.70	31.75	500	3
325080250-8X	25.40	1"	22.00	41.00	300	3
325096318-8X	31.75	1-1/4"	19.10	38.10	300	3
425096381-8X	38.10	1-1/2"	25.40	57.15	200	4
425120445-8X	44.50	1-3/4"	31.75	69.85	100	4
525120500-8X	50.00	2"	44.50	75.00	100	5

Notes

- All the above test parameter values are typical values. For specific product test reports, please consult your sales representative.
- Standard color is black; other colors can be customized upon request.
- It can be cut to a fixed length as required.

Product Advantages

- **High Expansion Ratio, 1~3× Expandable**
  Precision braided from PET filament with a unique mesh structure that expands up to 3× its original size — slides easily over irregular wire bundles and connectors without disassembly.
- **Extremely Soft, Flexible & Elastic**
  Flexible and elastic braided construction adapts to wire routing curves naturally — no tightening, no cable damage.
- **Wide Operating Temperature Range**
  Continuous operating range -30°C to 105°C; UL224 certified max 125°C; melting point 240~250°C; low-temp flexibility down to -70°C — reliable across all working conditions.
- **Self-extinguishing Flame-retardant**
  Self-extinguishing flame-retardant performance — extinguishes automatically when the flame source is removed, effectively slowing fire spread and protecting wires and equipment.
- **Chemical & Acid Resistant**
  Excellent acid resistance; only 0.08% moisture absorption (24h); fungus resistant; no copper corrosivity — withstands various chemical media.
- **High Strength, Lightweight**
  Tensile strength up to 100,000 psi with specific gravity of only 1.31 — outstanding mechanical protection without added weight.
- **ROHS Compliant**
  Meets EU ROHS environmental standards — suitable for European export and environmentally conscious projects.
- **Smooth Surface, Vibrant Colors, Diverse Styles**
  Smooth surface won't scratch wires; vibrant colors and intricate braided patterns combine functional protection with aesthetic wire management.

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Application Scenarios

- **Computers & Electronics**
  Computer power cords, monitor cables, audio/video cables (HDMI, data cables) bundling, protection and aesthetic management.
- **Automotive Industry**
  Automotive wire harness bundling, engine compartment wire management, onboard electronic equipment wiring protection.
- **Aerospace**
  Aircraft internal wire harness management and protection — lightweight, high-strength insulation solution for aerospace applications.
- **Wire & Cable Industry**
  Industrial cables, data cables, and communication equipment wiring — bundling, protection and organized routing.
- **Industrial Equipment**
  Control cabinet wire management, machinery cable protection — ideal for automated production lines and industrial robot wiring.
- **Household Appliances**
  Internal wire harness protection and management for rice cookers, washing machines, air conditioners and other appliances.