EMI Shielding Braided Sleeving

CR-BS-5002 · Braided Sleeving Series



Description

CR-BS-5002 features a high-density braided structure. It is braided from tinned copper foil wires. This product boasts strong shielding performance, effectively protecting cables from electromagnetic interference. Compared with traditional tinned copper wire braided tubes, it can effectively reduce weight by 30%.

Product Features

- Working Temperature
- High Density Woven Structure
- Excellent Shielding Effectiveness
- Soft and Easy to Bend
- Light Weight

Standard / Certification

ISO 9001 · IATF 16949 · ISO 14001 · ISO 45001 · GJB9001

Performance Parameter

Test Items	Test Method	Test Results
Shielding Effectiveness	GB/T 30142	> 60dB

Specifications

Part No.	Reference Width (mm)	Applicable Range (mm)	Reel Length (m/reel)	Art. No.
CR-BS-5002xx0328	3 ± 1	1~5	200	CBP-003
CR-BS-5002xx0628	6 ± 2	3~9	100	CBP-006
CR-BS-5002xx0828	8 ± 3	5~12	100	CBP-008
CR-BS-5002xx1028	10 ± 3	7~15	100	CBP-010
CR-BS-5002xx1228	12 ± 3	8~18	100	CBP-012
CR-BS-5002xx1428	14 ± 3	10~20	100	CBP-014
CR-BS-5002xx1628	16 ± 3	12~22	100	CBP-016
CR-BS-5002xx1928	19 ± 4	14~25	100	CBP-019
CR-BS-5002xx2528	25 ± 4	18~30	100	CBP-025
CR-BS-5002xx2828	28 ± 4	20~35	100	CBP-028
CR-BS-5002xx3228	32 ± 4	25~40	100	CBP-032

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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: −50℃ ~ +150℃**
  With a working temperature of −50℃ to 150℃, it keeps stable shielding and mechanical performance across a wide range of climatic conditions.
- **High-density Tinned Copper Foil Wire Braid**
  The high-density braid of tinned copper foil wires forms a continuous, dense shielding layer for reliable cable protection.
- **Soft & Flexible for Easy Installation**
  Soft and easy to bend, it conforms to complex routing paths for convenient laying, bending and maintenance.
- **Shielding Effectiveness >60dB (GB/T 30142)**
  Tested to GB/T 30142 with shielding effectiveness above 60dB from 30MHz to 3GHz, it effectively guards against electromagnetic interference.
- **30% Weight Reduction vs. Traditional Tinned Copper Wire Braid**
  Compared with traditional tinned copper wire braided tubes, this design effectively reduces weight by 30% for lighter harness assemblies.
- **Complete Certifications for Reliable Quality**
  Manufactured in a site certified to ISO 9001, IATF 16949, ISO 14001, ISO 45001 and military GJB9001C, ensuring reliable quality control.

Application Scenarios

- **Communications Equipment & Base Stations**
  EMI shielding for cables in base stations, telecom rooms and network equipment to prevent crosstalk and external interference.
- **Automotive Electronics & Wire Harnesses**
  Provides EMI shielding for automotive electronic control harnesses, keeping sensor and controller signals stable.
- **AI & Data Centers**
  EMI shielding for high-speed interconnect cables in AI servers and data centers to maintain signal integrity.
- **Aerospace Equipment**
  Lightweight shielding solution for aerospace electronic equipment cabling, balancing EMI protection with weight reduction.
- **Precision Electronics & Industrial Control**
  Anti-interference shielding for cabling of precision instruments and industrial control systems for stable operation.