PET & Tinned Copper Braided Sleeving

CR-BS-5001 · Braided Sleeving Series



Description

CR-BS-5001 is made of tin-plated copper wire + orange PET monofilament blended together, which has good shielding properties and wear resistance.

Product Features

- Working Temperature
- Excellent Electromagnetic Shielding
- Expandable and Easy to Install

Standard / Certification

FMVSS 302

Performance Parameter

Test Items	Test Method	Test Results
Shielding Effectiveness	GB/T 30142	> 60dB
Flammability Test	FMVSS 302	Pass

Specifications

Part No.	Reference Width (mm)	Applicable Range (mm)	Reel Length (m/reel)
CR-BS-5001100827	8 ± 3	5~10	150
CR-BS-5001101027	10 ± 3	7~12	150
CR-BS-5001101227	12 ± 3	8~16	150
CR-BS-5001101527	15 ± 3	10~20	50
CR-BS-5001101827	18 ± 4	15~25	50
CR-BS-5001102027	20 ± 4	18~30	50
CR-BS-5001102227	22 ± 4	22~34	50
CR-BS-5001102527	25 ± 4	24~38	50
CR-BS-5001103027	30 ± 4	26~45	30
CR-BS-5001103827	38 ± 5	30~58	30
CR-BS-5001104527	45 ± 6	40~68	30
CR-BS-5001105027	50 ± 8	45~75	30

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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

- **Excellent EMI Shielding over 60dB**
  Shielding effectiveness tested over 60dB at 30MHz–3GHz per GB/T 30142, effectively suppressing electromagnetic interference.
- **Tinned Copper + PET Blend: Shielding with Abrasion Resistance**
  Blended from tin–plated copper wire and orange PET monofilament, providing good shielding together with wear resistance.
- **Wide Temperature Range: –50℃ ~ 150℃**
  Working temperature from –50℃ to 150℃ suits the hot and cold environments inside new energy vehicles.
- **Flame Retardant to FMVSS 302**
  Flammability test per FMVSS 302 passes, meeting flame–retardant requirements for automotive interiors.
- **Expandable Braid for Easy Installation**
  The braid expands radially to slip over connectors and harnesses for quick installation without disassembly.
- **Orange Appearance for Easy Identification**
  The orange PET monofilament is highly visible, making it easy to identify harnesses by circuit or system in the bay.

Application Scenarios

- **New Energy Vehicle Battery Cables (Core Application)**
  Mainly used for shielding and protection of battery cables in new energy vehicles.
- **Dashboard Harnesses**
  Provides EMI shielding and abrasion protection for dashboard harnesses to keep signals stable.
- **Engine Compartment Harnesses**
  Protects engine compartment harnesses against extreme temperatures and electromagnetic interference.
- **On–board Electronic Equipment Cables**
  Shields cables of EMI–sensitive on–board electronics, reducing signal crosstalk.
- **High–Voltage Cables & Charging Systems**
  Suitable for shielding and bundling high–voltage cables and charging–system harnesses of new energy vehicles.