

Product description of ZS-G-1 Grain bin temperature cable

Langfang Zhaosui Grain bin temperature cable
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ZS -G -1

Ordinary double

Wire wire
Pull-resistant > 350KG
Double tensile steel wire
Food-grade outer jacket



application environment

It is mainly used to measure the temperature values above 0.5 °C accuracy at -50 to 85 degrees.

It is applicable to grain bin temperature cable to (1) bungalow grain warehouse / low shallow round warehouse (2) machine room temperature measurement (3) concrete temperature measurement (4) grain bin temperature cable temperature measurement (5)

cold storage temperature measurement (6) environmental temperature measurement (7) soil layer temperature measurement (8) battery temperature measurement and other occasions need a certain tensile strength, or multi-point temperature measurement occasions.

The following environment is not recommended: (1) scenes with high impact (2) scenes with high tensile strength (3) scenarios with fully immersed in water (4) occasions with strong electromagnetic interference (5) occasions where the temperature is maintained or exceeded at 80 degrees Celsius for a long time (6) occasions where long distance temperature measurement is required.

Basic parameter description

1. grain bin temperature cable insulation outer sheath material: high pressure polyethylene (good compressive and wear resistance)

2. grain bin temperature cable inner core: double tensile steel wire
3. Temperature measurement chip: 18B 20 (DS 18B 20 / QT 18B 20 / CT 18B 20)
4. Chip temperature measurement accuracy: ± 0.5 °C repeat error ± 0.2 °C
5. Chip temperature measurement range: -55°C to 125°C

6. Recommended service environment for grain bin temperature cable use:

7. Chip acquisition method: double-line system (parasitic mode)

8. grain bin temperature cable waterproof grade: IP 58

9. grain bin temperature cable gas prevention: fumigation and corrosion

10. Line core color: no color edge is GND line, with color edge is DQ line.

11. grain bin temperature cable number: can be customized TH (grain bin temperature cable number storage), TL (layer number storage) memory internal sorting value.

12. Resistance parameters: > 350KG

13. Operating voltage: 3- 5.5 VDC



design minimum interval between two points: 20 cm

feature

This product is a plastic outer sheath. There are two inner core wires inside. The bottom head uses the injection molding process to treat the tail die-cast steel wire ring for easy use. Protection level is IP 58. The signal inner core and the ground wire inner core both use steel wire transmission signal. N 18b20 temperature sensors are built inside. Two wires both transmit signals, and take into account the overall tensile effect. The overall shape is flat, with a smaller force area, and a higher tensile strength than the ZS -

P- 1 model.

direction for use

- A joint is injected on the upper part of the general grain bin temperature cable for easy wiring. The other end joint leads to two cores of copper wire, directly connected to the collector.
- It is connected with the upper communication line. In order to ensure the communication quality, the inner core diameter of the communication grain bin temperature cable shall be not less than 0.2 mm^2 . Long distance communication recommends 0.5 mm^2 twisted pair as extended communication grain bin temperature cable
- Long distance temperature measurement is not recommended. If long distance temperature measurement is required, please change the SCM source code to a single point conversion (750 ms is converted to a temperature point, but not using centralized conversion). The longest test distance is: 1300 m [single channel 220 points]

