

RS485专用通信电缆 RS485通讯电缆厂家现货批发

产品名称	RS485专用通信电缆 RS485通讯电缆厂家现货批发
公司名称	天津市天联线缆有限公司
价格	1.80/米
规格参数	产品名称:天联 规格型号:RS485 工厂:河北廊坊
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产品详情

产品描述 Description

RS-485 数据电缆是用于多点间的通信。许多设备可以通过一条信号电缆来连接。就像早先的以太网用一条同轴线连接一样。RS-485 数据电缆可以在2.5MB/s的速度下传送1200米,用于复杂的楼宇自控、工业控制网络、电力自动化等通讯网络。RS-485 data cable is used for multi point communication. Many devices can be connected by a signal cable. Just as the previous Ethernet connected to a coaxial line. RS-485 data cable can be transmitted at the speed of 2.5MB/s 1200 meters, for complex building automation, industrial control network, power automation and other communication networks. <https://www.zsdianlan.com>

产品规格Characteristics

1、线对2芯 (2x24AWG) (2*0.2) (2*0.5) (2*0.75) (2*1.0) (2*1.5) 多股绞合镀锡铜丝, PE绝缘护套; 为适用于复杂的工业噪声环境, 特采用铝箔/聚酯复合带100%屏蔽率+镀锡铜编制网90%屏蔽率共双重屏蔽, 并附有独立TC接地导体, 工业灰色PVC外护套, 特性阻抗120欧姆 Line of 2 core (2x24AWG) (2*0.2) (2*0.5) (2 * 0.75) (2*1.0) (2 * 1.5) multi strand stranded tinned copper, PE insulating sheath; is suitable to be used in complex industrial environment noise, the aluminum foil / polyester composite with 100% shield rate + tinned copper preparation of net 90% shielding rate is double screen, accompanied by independent TC grounding conductor, industrial gray PVC outer sheath, the characteristic impedance of 120 ohm <https://www.zsdianlan.com>

2、线对4芯 (2x 2x24AWG) (2*2*0.2) (2*2*0.5) (2*2*0.75) (2*2*1.0) (2*2*1.5) 多股绞合镀锡铜丝, PE绝缘护套; 为适用于复杂的工业噪声环境, 特采用铝箔/聚酯复合带100%屏蔽率+镀锡铜编制网90%屏蔽率共双重屏蔽, 并附有独立TC接地导体, 工业灰色PVC外护套, 特性阻抗120欧姆。 Line of 4 core (2x 2x24AWG) (2*2*0.2) (2*2*0.5) 2*2*0.75 (2*2*1.0) (2*2*1.5) multi strand stranded tinned copper wire, PE insulating sheath; is suitable to be used in complex industrial environment noise, the aluminum foil / polyester composite with 100% shield rate + tinned copper preparation of net 90% shielding rate is double screen, accompanied by independent TC grounding conductor, industrial gray PVC outer sheath, the characteristic impedance of 120 ohm.

产品介绍

RS-485通讯电缆在一般场合采用双绞线就可以，但在要求比较高的环境下可以采用带屏蔽层的双绞电缆。在使用RS485通讯时，对于特定的传输线路，主机（召测设备）到仪表的485口间的电缆长度与数据信号传输的波特率成反比；这个长度主要受信号的失真以及噪声的影响所影响。理论上RS485的传输距离能达到1200米，但实际应用中传输距离要小于1200米，具体长度受周围的环境影响。RS-485 communication cable in general occasion using twisted pair can be, but under the high requirement of environment can be using tape shielded twisted pair cables. When using RS485 communication, for specific transmission lines, the host (called measurement equipment) to the meter 485 ports between the length of cable and the data signal transmission baud rate inversely proportional; the length is mainly affected by the signal distortion and the influence of the noise influence. On the theory of RS485 and the transmission distance can reach 1200 meters, but the actual application in the transmission distance is less than 1200 meters, the length is influenced by the environment around. <https://www.zsdianlan.com>

在低速、短距离、无干扰的场合可以采用普通的双绞线，反之，在高速、长线传输时，则必须采用阻抗匹配(一般为120)的RS485专用电缆(STP-120 (for RS485 & CAN) one pair 18 AWG)，而在干扰恶劣的环境下还应采用铠装型双绞屏蔽电缆(ASTP-120 (for RS485 & CAN) one pair 18 A WG)。在使用RS485接口时，对于特定的传输线路，从RS485接口到负载其数据信号传输所允许的最大电缆长度与信号传输的波特率成反比，这个长度数据主要是受信号失真及噪声等影响所影响。理论上，通信速率在100Kpbs及以下时，RS485的最长传输距离可达1200米，但在实际应用中传输的距离也因芯片及电缆的传输特性而所差异。在传输过程中可以采用增加中继的方法对信号进行放大，最多可以加八个中继，也就是说理论上RS485的最大传输距离可以达到9.6公里。如果真需要长距离传输，可以采用光纤为传播介质，收发两端各加一个光电转换器，多模光纤的传输距离是5~10公里，而采用单模光纤可达50公里的传播距离。 At low speed and short distance, without the interference of occasions can use ordinary twisted pair. On the contrary, in the high speed and long distance transmission, you must use impedance matching (generally 120 Ohm) RS485 special cable (STP-120 omega (for RS485 & can) one pair 18 AWG), and under the severe jamming environment should also use type sheathed shielded twisted pair cable (ASTP-120 omega (for RS485 & can) one pair 18 AWG). When using the RS485 interface, for specific transmission lines, from RS485 interface to load the baud rate of the data signal transmission allows maximum cable length and signal transmission is inversely proportional to, the length of the data is mainly by signal distortion and noise influence the effect. In theory, the communication speed in 100Kpbs and below, the longest transmission distance of RS485 up to 1200 meters, but the actual application of the transmission distance is also due to the transmission characteristics of the chip and the difference between the cable. In the transmission process can be used to increase the relay method to amplify the signal, up to eight relay, that is, the theory of the maximum transmission distance of RS485 can achieve the 9.6 axiom. If you really need to long distance transmission, using optical fiber as the transmission medium, the sending and receiving ends of the photoelectric converters and multimode fiber transmission distance is 5 to 10 km, and a single mode fiber (up to 50 km of the propagation distance.

<https://www.zsdianlan.com>

?1??2???

2*0.2

2*0.3

2*0.5

2*0.75

2*1.0

2*1.5

2*2.0

2*2.5

?2??3???

4*0.2

4*0.3

4*0.5

4*0.75

4*1.0

4*1.5

4*2.0

4*2.5

?3??6???

6*0.2

6*0.3

6*0.5

6*0.75

6*1.0

6*1.5

6*2.0

6*2.5

?4??8???

8*0.2

8*0.3

8*0.5

8*0.75

8*1.0

8*1.5

8*2.0

8*2.5

?5??10???

10*0.2

10*0.3

10*0.5

10*0.75

10*1.0

10*1.5

10*2.0

10*2.5

?6??12???

12*0.2

12*0.3

12*0.5

12*0.75

12*1.0

12*1.5

12*2.0

12*2.5