



# PRODUCT SPECIFICATIONS

## TS-SRBC/6

**Description:** 23AWG Non-Plenum, shielded four twisted pairs, Category 6 Horizontal Cable. Extended Testing to 550 MHz.

**Ratings/Approvals:** NEC Article 800, CMR Rating FT4, Category 6

**Applications:** Supports all category 6 applications including Ethernet 1BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth application such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

### CONSTRUCTION

<b>Conductor:</b>	23 AWG Solid Bare Copper
<b>Number of Conductors or Pairs:</b>	4 Pair
<b>Tape:</b>	Clear Mylar Tape
<b>Drain:</b>	Solid Tin Copper
<b>Shield:</b>	Aluminum/Polyester Tape (100% Coverage)
<b>Jacket Material:</b>	Polyvinyl Chloride
<b>Nominal Overall Cable Diameter:</b>	0.305 in. (7.747 mm)
<b>Approximate Cable Weight:</b>	40 lb/1,000 ft.

### ELECTRICAL & PHYSICAL PROPERTIES

<b>Temperature Rating:</b>	Installation: 0°C to 50°C Operation: -2°C to 60°C
<b>Velocity of Propagation:</b>	70%
<b>Mutual Capacitance:</b>	14 pF/ft Nominal
<b>Capacitance Unbalance:</b>	330 pF/ft maximum
<b>Maximum Conductor D.C.R.:</b>	28.6Ω/1,000 ft
<b>Maximum D.C.R. Unbalance:</b>	3%
<b>Maximum Delay Skew:</b>	18 ns/100m
<b>Characteristic Impedance:</b>	From 0.772 MHz - 100 MHz      100 ± 15% From 100 MHz - 250 MHz      100 ± 22% From 201 MHz - 550 MHz      100 ± 32%
<b>Minimum bend radius:</b>	1.0 in.
<b>Insulation Colors:</b>	Blue paired with White/Blue Orange paired with White/Orange Green paired with White/Green Brown paired with White/Brown



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