



# PRODUCT SPECIFICATION

## TS-PBC/6

<b>Description:</b>	23AWG Plenum, unshielded four twisted pairs, Category 6 Cable. Extended testing to 550 MHz
<b>Ratings/Approvals:</b>	CMP Rating Verified to ANSI/TIA/EIA 568C.2 Category 6, RoHS Compliant
<b>Applications:</b>	Supports all Gigabit Ethernet/1000BASE-T/IEEE 802.3ab, ATM up to 155 Mbps, 100 Mbps Fast Ethernet 100BASE-T/IEEE 802.3, ANSI.X3.263 FDDI TP-PMD, Ethernet 10BASE-T/IEEE 802.3, 4 & 16 Mbps Token Ring/IEEE 802.5, T1/E1, xDSL, ISDN, 550 MHz Broadband Video and standards under development such as ATM at 622 Mbps, 1.2, 2.4 and 4.8 Gbps

## CONSTRUCTION

<b>Conductor:</b>	23 AWG Solid Bare Copper
<b>Insulation Material:</b>	HDPE
<b>Number of Conductors or Pairs:</b>	4 Pair
<b>Jacket Material:</b>	Flame Retardant Polyvinyl Chloride
<b>Nominal Overall Cable Diameter:</b>	0.240 in.
<b>Approximate Cable Weight:</b>	34 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>	72%
<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 251 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



PHONE: (301) 836-1195

[sales@tscables.com](mailto:sales@tscables.com)

11399 Frederick Avenue,  
Suite B,  
Beltsville, MD 20705 USA

The information provided herein is, to the best of our knowledge, true and accurate. Since conditions of use are beyond our control, all information presented is without guarantee or responsibility on our part. We disclaim all liability in connection with the use of information contained herein or otherwise.