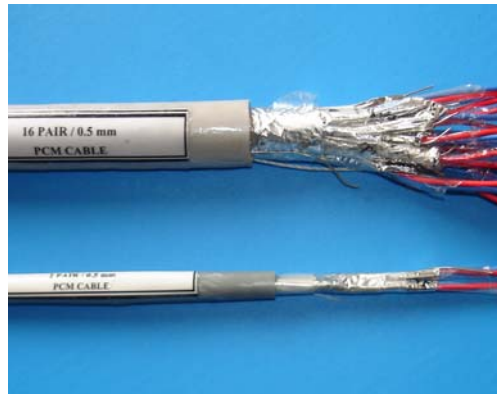




## PCM CABLES



### DESCRIPTION

These are Solid / Cellular / Foam Skin Insulated, Individual Screened Twisted Pairs, PVC Sheathed, Screened Telecommunication Cables

### APPLICATION

These are Screened PCM (Pulse Code Modulation) Cables used for digital equipment wiring to work up to 2 M bits/sec

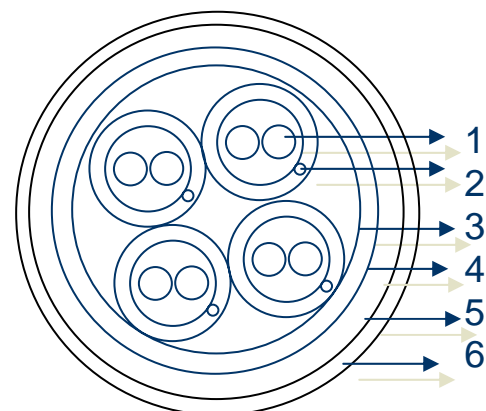
### FEATURES

Available in standard conductor sizes of 0.5mm diameter. Available in 1 Pair to 16 Pair and more if required. Meets the flammability test requirement as per IEC 332 (Part-1)

TEC approved cable as per GR/WIR-04/02 Nov 2001

### CABLE CROSS SECTION

1. Solid/Foam Skin PE Insulated Copper
2. Pair wrapped with Polyester Tape & Al Tape Screen with Drain Wire
3. Core Wrap (Polyester Tape)
4. Overall Screen (Al Mylar Tape) with drain wire
5. Overall Wrap - Polyester Tape
6. PVC Sheath with Rip Cord



IS/ ISO 9001-2000

IS/ ISO 14001



**ELECTRICAL CHARACTERISTICS**

• <b>Conductor Resistance @ 20°C (Max.)</b>	<b>86 ± 3</b>	<b>Ω/Km</b>
• <b>Resistance Unbalance (Max.)</b>		
<b>Individual</b>	<b>2.5</b>	<b>%</b>
<b>Average</b>	<b>1.0</b>	<b>%</b>
• <b>Mutual Capacitance at 1KHz</b>	<b>45 ± 5</b>	<b>nF/Km</b>
• <b>Capacitance Unbalance (Max.)</b>		
<b>Pair to Ground</b>	<b>2000</b>	<b>pF/500m</b>
• <b>Insulation Resistance (Min.)</b>	<b>10000</b>	<b>M Ω-Km</b>
• <b>Dielectric Strength</b>	<b>2.4 KV DC, 3 Seconds</b>	
• <b>Characteristics Impedance at 1 MHz</b>	<b>120 ± 10</b>	<b>Ω</b>
• <b>Attenuation at 20°C at 1 MHz (Max.)</b>	<b>20</b>	<b>dB/Km</b>
• <b>Near End Cross Talk at 1 MHz (Min.)</b>	<b>85</b>	<b>dB</b>
• <b>Far End Cross Talk at 1 MHz (Min.)</b>	<b>67</b>	<b>dB/Km</b>

**COLOUR CODE**

Option 1:

PAIR 1: WHITE – BLUE	PAIR 6: RED – BLUE	PAIR 6: BLACK – BLUE	PAIR 6: YELLOW – BLUE
PAIR 2: WHITE – ORANGE	PAIR 7: RED – ORANGE	PAIR 7: BLACK – ORANGE	
PAIR 3: WHITE – GREEN	PAIR 8: RED – GREEN	PAIR 8: BLACK – GREEN	
PAIR 4: WHITE – BROWN	PAIR 9: RED – SLATE	PAIR 9: BLACK – SLATE	
PAIR 5: WHITE – SLATE	PAIR 10: RED – SLATE	PAIR 10: BLACK – SLATE	

Option 2:

Each pair shall be Red for Wire-1 and Blue for Wire-2, with serial number of the pair viz. 1 to 8/18/22, marked at regular interval, on the outer surface of the Aluminium film used for Pair Screening.

