

FEATURES	
Meets EIA/TIA 568-B for category 3 requirements Fire protection – IEC60332-1 (CM) Cable is used for Voice-Grade applications and indoor installation	
CONSTRUCTION	
Conductor: Bare Solid Copper Conductor Dia.:0.50mm±0.005mm (24AWG) Pair Insulation:Polyethylene Outer Cable Diameter: as cable specification	Pair Number: Multi Twisted Pairs Pair Color Code:As per the standard color code Outer Jacket: PVC/LSZH Jacket Jacket Color:Grey RAL 9002 or as per request
TECHNICAL CHARACTERISTICS	
Installation Temperature: 0°C to +60°C Operating temperature: -20°C to +60°C DC Resistance Unbalance :5% Pair-to-Ground Capacitance Unbalance :330 pF/100 m Capacitance:14pF/ft nominal	Maximum strand pitch: 100 mm Minimum bend radius: 4 outer cable diameters Dielectric Breakdown:1000 Volts DC Conductor to Conductor Velocity of Propagation:PE=65% Maximum Skew:45ns@100 meters
PACKAGING	
305m/1000ft Easy pulling box; 500m/wooden reel;1000m/wooden reel	
ELECTRICAL CHARACTERISTICS	

Max attenuation at 20°C10		Min worst pair to pair NEXT loss at 772 kHz		Min worst pair Structural Return Loss (SRL)	
At 772 kHz	2.2 dB/100 m	At 772 kHz	43 dB	Up to 10 MHz	12dB
At 1 MHz	2.6 dB/100 m	At 1 MHz	41 dB	At 16 MHz	10dB
At 4 MHz	5.6 dB/100 m	At 4 MHz	32 dB		
At 8 MHz	8.5 dB/100 m	At 8 MHz	27 dB		
At 10 MHz	9.7 dB/100 m	At 10 MHz	26 dB		
At 16 MHz	13.1 dB/100 m	At 16 MHz	23 dB		