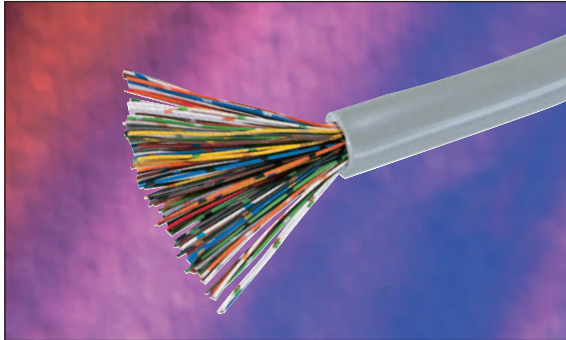




Excel Category 3 Unshielded Twisted Pair (UTP) Cable



Features

- Category 3 compliant
- PVC or LSOH sheath option
- Metre marked to reduce waste
- BSRIA Number 1 private label, by market share for the last three years

Product Overview

Excel Category 3 UTP Cables are manufactured, tested and verified to the EIA/TIA 568B and ISO11801 standards for Category 3 performance.

Construction Specification Table

Conductor: <i>Material</i> <i>Diameter</i>	Solid Annealed Copper Wire 0.505 mm Nom	
Insulation: <i>Material</i> <i>Diameter</i> <i>Construction</i>	HDPE 0.920 mm Nom Pair	
Colour Codes of Pairs: 1 White – Blue 2 White – Orange 3 White – Green 4 White – Brown 5 White – Grey 6 Red – Blue 7 Red – Orange 8 Red – Green 9 Red – Brown	10 Red – Grey 11 Black – Blue 12 Black – Orange 13 Black – Green 14 Black – Brown 15 Black – Grey 16 Yellow – Blue 17 Yellow – Orange 18 Yellow – Green	19 Yellow – Brown 20 Yellow – Grey 21 Violet – Blue 22 Violet – Orange 23 Violet – Green 24 Violet – Brown 25 Violet – Grey
Unit:	10 Pair & 20 Pair	
Super Unit:	50 Pair	
Unit Identification:	Blue, Orange, Green, Brown, Grey	
Super Unit Identification: <i>First</i> <i>Intermediate</i> <i>Last (Reference)</i>	Red White Black	
Cable Make Up: 25 P 50 P 100 P 200 P 300 P	Centre Layer 1 x 25 P 5 x 10 P 5 x 20 P 4 x 50 P 1 x 50 P	First Layer - - - - 5 x 50 P
Wrapping: <i>Material</i> <i>Rip Cord</i>	Longitudinal Polyester Tape Provided Under Jacket	
Jacket Material:	PVC or LSOH	

Construction Specification Table

Overall Diameters	
25 P	11.50 +/- 1.00 mm
50 P	15.00 +/- 1.00 mm
100 P	20.50 +/- 1.00 mm
200 P	28.00 +/- 1.00 mm
300 P	34.00 +/- 1.00 mm

Performance Tables

Frequency Range in MHz	0.772 ~ 16
Conductor Resistance Max.	9.38 W/100M
Resistance Unbalance Max.	5%
Mutual Capacitance Max.	5.6 hF/100M
Cap. Unbal. Pr to Ground Max.	330pF/100M
Characteristics Impedance in Ohms	100 +/- 15

Frequency (MHz)	SRL (dB)	Attenuation (dB/100m) (Max)	NEXT (Min.) (dB)	PROPOGATION DELAY (Max.) (ns/100m at 20 °C)	PROPOGATION DELAY SKEW (Max.) (ns/100m at 20 °C)
1.0	12.0	2.60	41.30	570.00	45.00
4.0	12.0	5.60	32.30		
8.0	12.0	8.50	27.80		
10.0	12.0	9.70	26.30	545.00	45.00
16.0	9.96	13.10	23.20	543.00	45.00

Part Number Information

Part No.	Description
100-033	Excel Category 3 UTP PVC 25 Pair Cable
100-034	Excel Category 3 UTP PVC 50 Pair Cable
100-035	Excel Category 3 UTP PVC 100 Pair Cable
100-036	Excel Category 3 UTP PVC 200 Pair Cable
100-037	Excel Category 3 UTP PVC 300 Pair Cable
100-043	Excel Category 3 UTP LSOH 25 Pair Cable
100-044	Excel Category 3 UTP LSOH 50 Pair Cable
100-045	Excel Category 3 UTP LSOH 100 Pair Cable
100-046	Excel Category 3 UTP LSOH 200 Pair Cable
100-047	Excel Category 3 UTP LSOH 300 Pair Cable