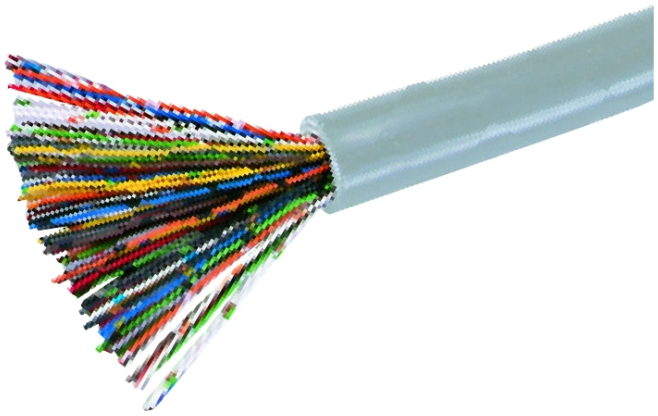
Excel Category 3 Unshielded Twisted Pair (UTP) Cable



- Category 3 compliant
- PVC or LSOH sheath option
- Metre marked to reduce waste
- No.3 cabling system by market share, as reported by BSRIA

Features

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Product Overview

Excel Category 3 UTP Cables are manufactured, tested and verified to the EIA/TIA 568B and ISO11801 standards for Category 3 performance and are fully compliant with the IEC60332-1 specification.

Performance / Specification Table

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

Conductor:		
Material	Solid Annealed Copper Wire	
Diameter	0.505 mm Nom	
Insulation:		
Material	HDPE	
Diameter	0.920 mm Nom	
Construction	Pair	
Colour Codes of Pairs:		
1 White - Blue	10 Red - Grey	19 Yellow - Brown
2 White - Orange	11 Black - Blue	20 Yellow - Grey
3 White - Green	12 Black - Orange	21 Violet - Blue
4 White - Brown	13 Black - Green	22 Violet - Orange
5 White - Grey	14 Black - Brown	23 Violet - Green
6 Red - Blue	15 Black - Grey	24 Violet - Brown
7 Red - Orange	16 Yellow - Blue	25 Violet - Grey
8 Red - Green	17 Yellow - Orange	
9 Red - Brown	18 Yellow - Green	
Unit:	10 Pair & 20 Pair	
Super Unit:	50 Pair	
Unit Identification:	Blue, Orange, Green, Brown, Grey	
Super Unit Identification:		
First	Red	

Intermediate	White	
Last (Reference)	Black	
Cable Make Up:	**Centre layer**	**First Layer**
25 P	1 x 25 P	-
50 P	5 x 10 P	-
100 P	5 x 20 P	-
200 P	4 x 50 P	-
300 P	1 x 50 P	5 x 50 P
Wrapping:	Longitudinal	
Material	Polyester Tape	
Rip Cord	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

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	45.0
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	45.0
16.0	9.96	13.10	23.30	543.00	45.0

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

Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.

Contact us at **sales@excel-networking.com**

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