



- ✕ Category 3 compliant
- ✕ PVC or LSOH sheath option
- ✕ Metre marked to reduce waste
- ✕ No.2 cabling system by market share, as reported by BSRIA

Features

- Category 3 compliant
- Metre marked to reduce waste
- PVC or LSOH sheath option
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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 Ω /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
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Super Unit:	50 Pair
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Unit Identification:	Blue, Orange, Green, Brown, Grey
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Super Unit Identification:		
First	Red	
Intermediate	White	
Last (Reference)	Black	
Cable Make Up:	Centre layer	First Layer
25 Pairs	1 x 25 Pairs	-
50 Pairs	5 x 10 Pairs	-
100 Pairs	5 x 20 Pairs	-
200 Pairs	4 x 50 Pairs	-
300 Pairs	1 x 50 Pairs	5 x 50 Pairs
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
100-043	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

Contact your local distributor for availability.

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

