



Category 3 U/UTP 25, 50, 100 Pair  
Copper Cable, Unshielded

Features & Benefits

- Low propagation delay deviation
- High-quality insulation for single conductors
- Durable length markings to reduce waste of cable

Compliance & Standards

- ANSI/ICEA S-90-661
- ANSI/TIA/EIA-568.2-D
- ISO/IEC 11801

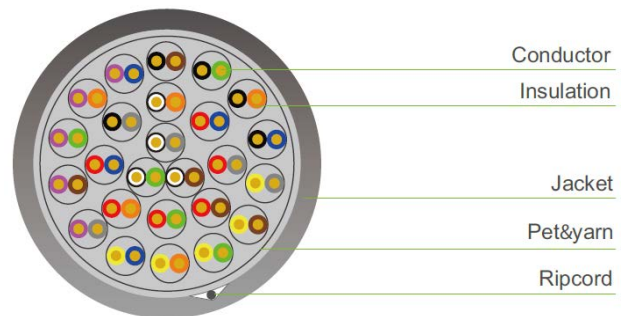
Applications

- Indoor cabling
- Class C and CAT 3 applications
- Digital and analogue voice signal transmission

Drawing



Technical Drawing



Color Codes of Pairs

1. White-Blue	2. White-Orange	3. White-Green	4. White-Brown	5. White-Gray
6. Red-Blue	7. Red-Orange	8. Red-Green	9. Red-Brown	10. Red-Gray
11. Black-Blue	12. Black-Orange	13. Black-Green	14. Black-Brown	15. Black-Gray
16. Yellow-Blue	17. Yellow-Orange	18. Yellow-Green	19. Yellow-Brown	20. Yellow-Gray
21. Purple-Blue	22. Purple-Orange	23. Purple-Green	24. Purple-Brown	25. Purple-Gray



## Category 3 U/UTP 25, 50, 100 Pair Copper Cable, Unshielded

### Product Specifications

Product Type			CAT 3 U/UTP 25, 50, 100 Pair Copper Cable		
Conductor	Structure		26 AWG		
	Material		Solid Bare Copper		
Insulation	Material	-	HDPE		
Rip Cord	Material	-	PP		
Sheath	Material	-	PVC, LSZH, CM, CMR, PE		
	Cable Outer Diameter	mm	25 Pairs	50 Pairs	100 Pairs
			9.0±0.5	12.0±0.5	16.5±0.5
Drum			Wooden Drum		
Installation Temperature Range			0°C ~ + 60°C		
Operating Temperature Range			-20°C ~ + 60°C		

### Mechanical Performance

Conductors Elongation at Break		≥15%
Insulation Elongation at Break		≥300%
Insulation Tensile Strength		≥16MPa
Jacket Before Aging (PVC)	Tensile Strength	≥13.5Mpa
	Elongation	≥150%
Jacket After Aging (PVC)	Tensile Strength	≥12.5Mpa
	Elongation	≥125%

### Electrical Performance

Single Conductor DC Resistance 20° C	≤14.8 (Ω/100m)
Dielectric Strength Between DC Conductors	1.0 KV, 1min., No Breakdown
Operating Capacity	≤ 5.6 nF/100m
Insulation Resistance	≥5000MΩ · Km + 20°C DC



## Category 3 U/UTP 25, 50, 100 Pair Copper Cable, Unshielded

### Ordering Information

Part No.	Product Name	Description
SP3016V25-GY0305MD	Category 3 U/UTP 25 Pairs Copper Cable, PVC	305m/Drum_ Gray
SP3016V50-GY0305MD	Category 3 U/UTP 50 Pairs Copper Cable, PVC	305m/Drum_ Gray
SP3016V100-GY0305MD	Category 3 U/UTP 100 Pairs Copper Cable, PVC	305m/Drum_ Gray
SP3016L25-PU0305MD	Category 3 U/UTP 25 Pairs Copper Cable, LSZH	305m/Drum_ Purple
SP3016L50-PU0305MD	Category 3 U/UTP 50 Pairs Copper Cable, LSZH	305m/Drum_ Purple
SP3016L100-PU0305MD	Category 3 U/UTP 100 Pairs Copper Cable, LSZH	305m/Drum_ Purple
SP3016E25-BK0305MD	Category 3 U/UTP 25 Pairs Copper Cable, PE	305m/Drum_ Black
SP3016E50-BK0305MD	Category 3 U/UTP 50 Pairs Copper Cable, PE	305m/Drum_ Black
SP3016E100-BK0305MD	Category 3 U/UTP 100 Pairs Copper Cable, PE	305m/Drum_ Black