



Category 5 U/UTP 25, 50, 100 Pair Cable, Unshielded

Features & Benefits

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

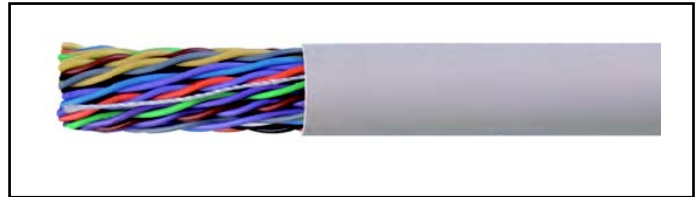
Compliance & Standards

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

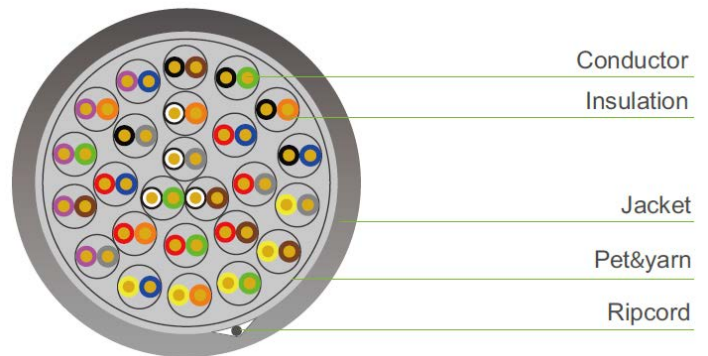
Applications

- Indoor cabling
- Class D and CAT 5 applications
- Digital and analogue voice signal transmission

Drawing



Technical Drawing



Product Specifications

Product Type		-	CAT 5 U/UTP 25, 50, 100 Pair Copper Cable		
Conductor	AWG	-	24		
	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
			12.0±1.0	16.5±1.0	21.0±1.0
Printing	-	-	As Per Client's Requirement		
Drum			Wooden Drum		
Installation Temperature Range			0°C ~ + 60°C		
Operating Temperature Range			-20°C ~ + 60°C		



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### 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	≤95 (Ω/Km)
Unbalanced DC Resistance (Wire to Wire)	≤2.0%
Dielectric Strength Between DC Conductors	1.0 KV, 1 Min., No Breakdown
Operating Capacity	≤ 5.6nF/100m
Insulation Resistance	≥5000M Ω • Km + 20°C DC

### Ordering Information

Part No.	Product Name	Description
SP5014V25-GY0305MD	Category 5 U/UTP 25 Pairs Copper Cable, PVC	305m/Drum_ Gray
SP5014V50-GY0305MD	Category 5 U/UTP 50 Pairs Copper Cable, PVC	305m/Drum_ Gray
SP5014V100-GY0305MD	Category 5 U/UTP 100 Pairs Copper Cable, PVC	305m/Drum_ Gray
SP5014L25-PU0305MD	Category 5 U/UTP 25 Pairs Copper Cable, LSZH	305m/Drum_ Purple
SP5014L50-PU0305MD	Category 5 U/UTP 50 Pairs Copper Cable, LSZH	305m/Drum_ Purple
SP5014L100-PU0305MD	Category 5 U/UTP 100 Pairs Copper Cable, LSZH	305m/Drum_ Purple
SP5014E25-BK0305MD	Category 5 U/UTP 25 Pairs Copper Cable, PE	305m/Drum_ Black
SP5014E50-BK0305MD	Category 5 U/UTP 50 Pairs Copper Cable, PE	305m/Drum_ Black
SP5014E100-BK0305MD	Category 5 U/UTP 100 Pairs Copper Cable, PE	305m/Drum_ Black