

**DESCRIPTION**

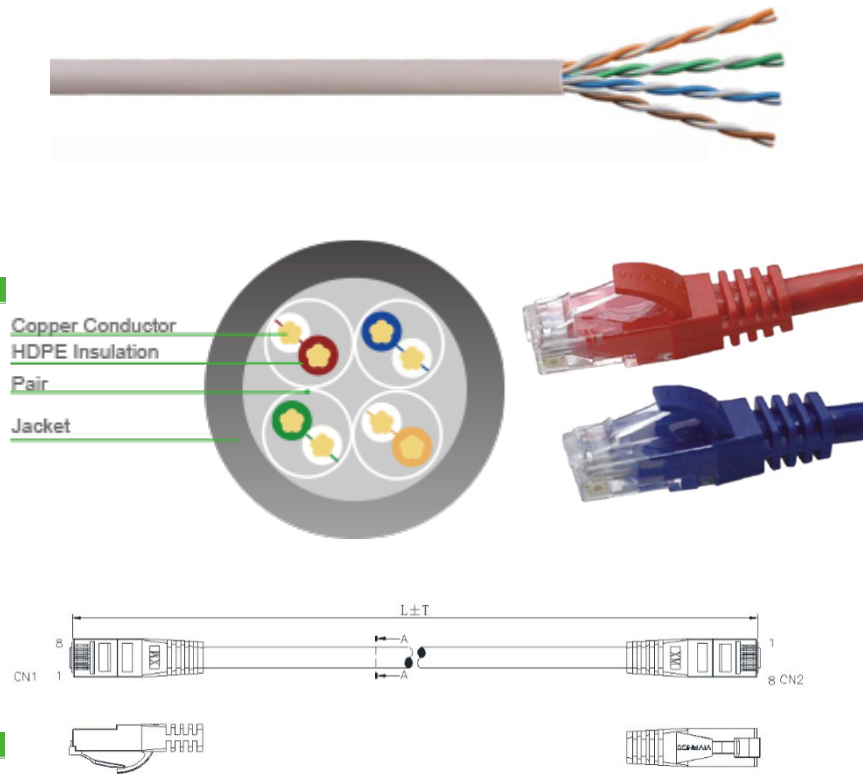
VIVANCO Category 5e UTP Patch cords are manufactured, tested and independently verified to the ISO11801 and EN 50173 and ANSI/TIA 568-C.2 requirements for patch cord assemblies and provide optimum performance levels for structured cabling installations. Stranded conductors are more flexible and convenient for wiring, injection molding with ear and Snagless.

**FEATURES & BENEFITS**

- 25 Year System Warranty
- Category 5e Compliant
- Backward Compatible
- T568B wiring
- PVC or LSOH Outer Sheath  
(Gold flash over remainder) over 100 µin
- 1000 Insertion Cycles (plug in/out) Durability
- Zero halogen, no corrosive gases IEC 60754-1 (LSZH)
- Flame propagation IEC 60332-1 (LSZH)
- Smoke density IEC 61034-1 (LSZH)

**TYPICAL APPLICATIONS**

- 100BASE-TX Fast Ethernet
- 622 Mbps ATM
- 155.52 Mbps ATM
- Token Ring
- VOIP Applications



<b>Shielding</b>		U/UTP	
<b>Pair</b>		4	
<b>Color code</b>		White-blue, blue, white-orange, orange, white-green, green, white-brown, brown	
<b>AWG</b>		24AWG	
<b>Conductor</b>	<b>Structure</b>	Stranded	
	<b>Diameter</b>	7/0.20±0.008BC	
<b>Insulation</b>	<b>Material</b>	HDPE	
	<b>Diameter</b>	1.0REF	
<b>Connector</b>	<b>Gold Plating</b>	50mircoinch	
	<b>TYPE</b>	8P8C	
	<b>Assembly TYPE</b>	Molding	
	<b>Durability</b>	≥1000	
<b>Jacket</b>	<b>Material</b>	CM, LSZH, PVC	
	<b>color</b>	Blue, Grey, red, yellow	
	<b>Diameter</b>	5.3±0.2mm	
<b>Length Tolerance</b>		Length	Tolerance
		≤1000mm	±30mm
		1000<L≤5000mm	±50mm
		5000<L≤10000mm	±100mm
<b>Packaging</b>		1PC/Polybag	
		<b>Installation Temperature Range</b>	
		0°C~+50°C	



Operating Temperature Range	-10°C~+60°C
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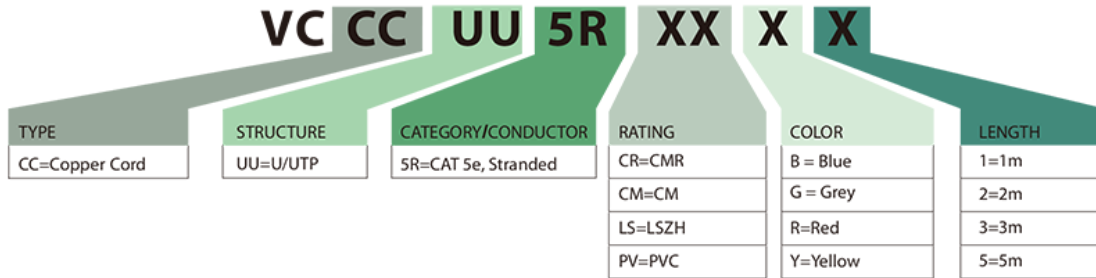
**MECHANICAL CHARACTERISTICS**

Cable under the minimum tension		≥100N
Conductor elongation		≥15%
Jacket before Aging	Tensile Strength	≥10Mpa
	Elongation	≥125%
Jacket After Aging	Tensile Strength	≥8Mpa
	Elongation	≥100%
Minimum Bend Radius		4x overall diameter installed,8x during installation

**ELECTRICAL CHARACTERISTICS**

100% Test(Open , short ,miss wire)	
Impedance	(4~100 f(MHz)) 100±15Ω
DC Resistance Unbalance(%): Max 2.5	≤2.5%
Dielectric strength Between Conductors	1.0Kv,1Min no breakdown
Operating Voltage	Max 48V
Delay Skew	≤50ns/100m
Delay	≤555ns/100m
Dielectric strength	≥5000MΩ·km +20°C DC (100-500)V
NVP 69%	69%

**NAME CODING**



**ORDERING INFORMATION**

Part No	Description	Length
VCCCU5RCMG3	VIVANCO CAT5e Unshielded (U/UTP) 24AWG CM Patch Cord, GRAY	3M
VCCCU5RLSG3	VIVANCO CAT 5e Unshielded (U/UTP) 24AWG LSZH Patch Cord, GRAY	3M
VCCCU5RPVG3	VIVANCO CAT 5e Unshielded (U/UTP) 24AWG PVC Patch Cord, GRAY	3M

Note: In this specification, we just list our standard length, color and jacket type, but we can customize as well.