

DESCRIPTION

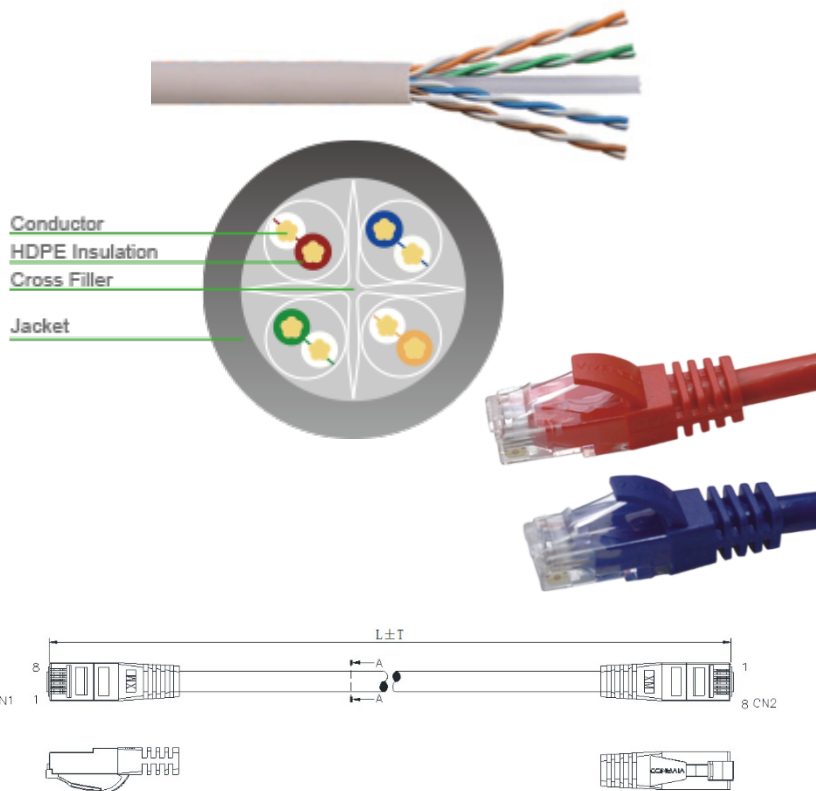
VIVANCO Category 6 U/UTP patch leads are manufactured and tested to ISO 11801, EN 50173 & ANSI/TIA 568-C.2 requirements for patch cord assemblies and provide optimum performance levels for structured cabling installations. Stranded conductors are more flexible and convenient for wiring, Injection molding with ear and Snagless.

FEATURES & BENEFITS

- 25 Year System Warranty
- Category 6 Compliant
- Backward Compatible
- T568B wiring
- PVC OR LSOH Outer Sheath Central 'X' filler
- 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

- 1000BASE - T Gigabit Ethernet
- 100BASE - TX Fast Ethernet
- 622 Mbps ATM
- 155 Mbps ATM
- VOIP Applications
- Token Ring



Shielding		U/UTP	
Pair		4	
Color code		White-blue, blue, white-orange, orange, white-green, green, white-brown, brown	
AWG		24AWG	
Conductor	Structure	stranded	
	Diameter	7/0.20 ± 0.008BC	
Insulation	Material	HDPE	
	Diameter	1.0REF	
Connector	Gold Plating	50micoinch	
	TYPE	RJ45 8P8C	
	Assembly TYPE	Molding	
	Durability	≥1000	
Jacket	Material	CM、LSZH、PVC	
	Color	Blue, grey, red, yellow	
	Diameter	6.1 ± 0.2mm	
Packaging		1PC/Polybag	
Length Tolerance		Length	Tolerance
		≤1000mm	±30mm
		1000 < L ≤ 5000mm	±50mm
		5000 < L ≤ 10000mm	±100mm
		10000 < L ≤ 20000mm	±200mm
Installation Temperature Range		0°C~+50°C	
Operating Temperature Range		-10°C~+60°C	

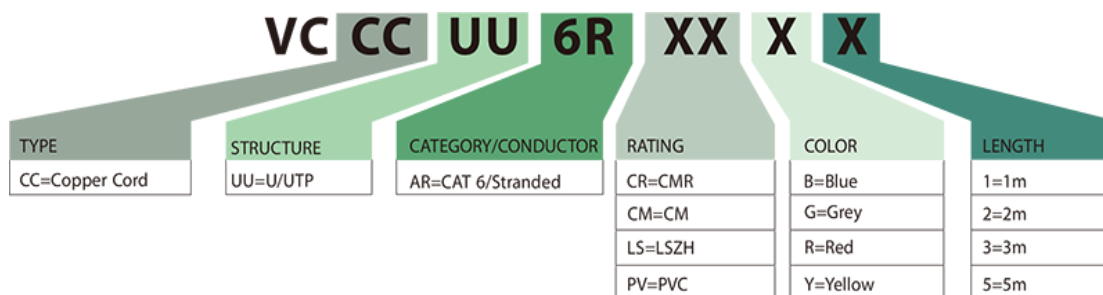
MECHANICAL CHARACTERISTICS

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	(4~250 f(MHz)) 100±15Ω
DC Resistance Unbalance (%)	≤2.5%
Dielectric strength Between Conductors	1.0Kv,1Min no breakdown
Operating Voltage	Max 48V
Delay Skew	≤50ns/100m
Delay	≤555ns/100mm
Dielectric strength	≥5000MΩ•km +20°C DC (100-500)V
NVP 69%	69%

NAME CODING



ORDERING INFORMATION

Part No	Description	Length
VCCUU6RCMG3	VIVANCO CAT6 Unshielded U/UTP 24AWG CM Patch Cord, GRAY	3M
VCCUU6RLSG3	VIVANCO CAT6 Unshielded U/UTP 24AWG LSZH Patch Cord, GRAY	3M
VCCUU6RPVG3	VIVANCO CAT6 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.