

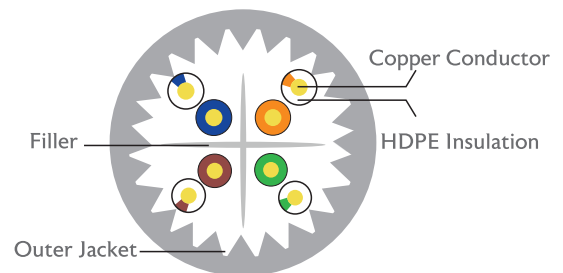
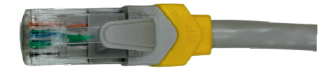
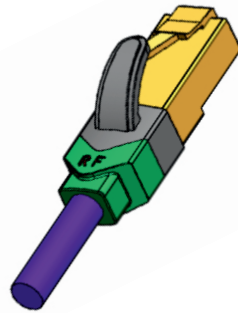
Patch Cord - Cat 6A U/UTP

Overview

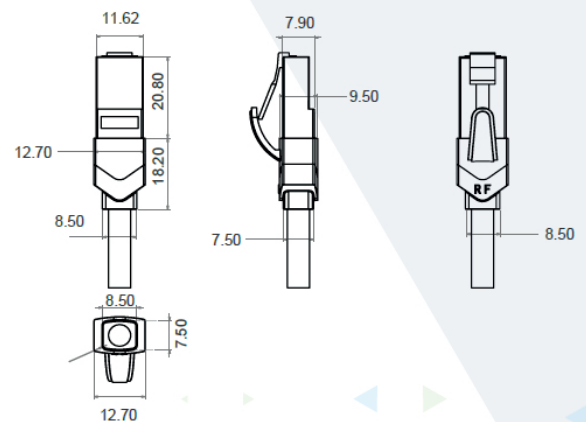
Ritchfield Cat 6A U/UTP Patch Cords, in PVC and LSZH variants, redefine connectivity. Compliant with PVC and LSZH standards, they ensure exceptional signal integrity for modern networks prioritizing safety and performance. The ultimate choice for seamless data transmission and reliable networking solutions

Application :

100Base - TX	1000Base-TX
100VGAnyLAN	155 Mbps ATM
1000Base-T	622 Mbps ATM
(Gigabit Ethernet)	10GB Ethernet



Structure	Construction	U/UTP
	Number of pairs	4 Pair
Conductor	AWG	24AWG
	Material	Standed Bare Copper
	Conductor Dimension (mm)	7/0.18 ± 0.01
Insulation	Insulation Material	HDPE
	Number of pairs	1.0 / 1.04 ± 0.02
Pairs	1	White-Blue/Blue
	2	White-Orange/Orange
	3	White-Green/Green
	4	White-Brown/Brown
Filler	Filler Material	PE
Outer Jacket	Outer Jacket Material	PVC / LSZH
	Outer Jacket Nominal Thickness (mm)	0.6 ± 0.05
	Overall Dimension (mm)	6.0 ± 0.3 (PVC) 6.2 ± 0.3 (LSZH)
Reference Standard	ANSI/EIA 568D.2 IEC 61156 & ISO/IEC 11801	
	60 °C	



Electrical Characteristics

1--500MHZ
Max. delay skew ≤ 45/100m
Max. conductor resistance 145 Ω/km (@ 20 °C)
Max. conductor resistance unbalance 2.5% (@ 20 °C)
Min. insulation resistance 5000 MΩ·km
Nom. mutual capacitance ≤5.6nF/100m @1KHz
Nominal velocity of propagation 65%

Mechanical Characteristics

Outer jacket tensile strength ≥ 13.5Mpa (PVC) ≥ 10 Mpa (LSZH)
Outer jacket elongation ≥150% (PVC) ≥125% (LSZH)
Outer jacket aging condition 100°C x168hrs
After aging, Tensile strength ≥ 12.5Mpa (PVC) ≥ 8Mpa (LSZH)
After aging, Elongation ≥ 125% (PVC) ≥ 100% (LSZH)
Cold bend No crack (@-25°Cx4hrs)
Hot impact NO Crack(@150°Cx 1hr)

Ordering Information

Part Number	Product Description
PVC	
RF1A-PC6AUUPV1-<CC>	Cat 6A U/UTP Booted Patch Cord, PVC, 1 Mtr <Color>
RF1A-PC6AUUPV2-<CC>	Cat 6A U/UTP Booted Patch Cord, PVC, 2 Mtr <Color>
RF1A-PC6AUUPV3-<CC>	Cat 6A U/UTP Booted Patch Cord, PVC, 3 Mtr <Color>
RF1A-PC6AUUPV5-<CC>	Cat 6A U/UTP Booted Patch Cord, PVC, 5 Mtr <Color>
RF1A-PC6AUUPV10-<CC>	Cat 6A U/UTP Booted Patch Cord, PVC, 10 Mtr <Color>
RF1A-PC6AUUPV15-<CC>	Cat 6A U/UTP Booted Patch Cord, PVC, 15 Mtr <Color>
RF1A-PC6AUUPV20-<CC>	Cat 6A U/UTP Booted Patch Cord, PVC, 20 Mtr <Color>
RF1A-PC6AUUPV25-<CC>	Cat 6A U/UTP Booted Patch Cord, PVC, 25 Mtr <Color>
LSZH	
RF1A-PC6AUULZ1-<CC>	Cat 6A U/UTP Booted Patch Cord, LSZH, 1 Mtr <Color>
RF1A-PC6AUULZ2-<CC>	Cat 6A U/UTP Booted Patch Cord, LSZH, 2 Mtr <Color>
RF1A-PC6AUULZ3-<CC>	Cat 6A U/UTP Booted Patch Cord, LSZH, 3 Mtr <Color>
RF1A-PC6AUULZ5-<CC>	Cat 6A U/UTP Booted Patch Cord, LSZH, 5 Mtr <Color>
RF1A-PC6AUULZ10-<CC>	Cat 6A U/UTP Booted Patch Cord, LSZH, 10 Mtr <Color>
RF1A-PC6AUULZ15-<CC>	Cat 6A U/UTP Booted Patch Cord, LSZH, 15 Mtr <Color>
RF1A-PC6AUULZ20-<CC>	Cat 6A U/UTP Booted Patch Cord, LSZH, 20 Mtr <Color>
RF1A-PC6AUULZ25-<CC>	Cat 6A U/UTP Booted Patch Cord, LSZH, 25 Mtr <Color>

CC = Color SB - Sky Blue, LG - Lemon Green, GY- Grey, YL - Yellow, BL - Blue, GR - Green, WH - White, BK - Black, PR - Purple, RD - Red

