PRS Category 6A SlimCat™ Network Patch Cord

The Kordz PRS SlimCat U/FTP Cat6A Network Patch Cord is a high performance, highly flexible, slim-profile, stranded 28AWG copper, Category 6A compliant patch cord. This makes it ideal for 10GBase-T professional and custom network applications. The slim-profile cable diameter of only 4.8mm, offers a 20% reduction in diameter when compared with conventional CAT6A patch cords making cable bundles less bulky and easier to manage. Designed and engineered for optimal protection against EMI, alien cross talk and return loss. The Kordz PRS SlimCat Cat6A Network Patch Cord now provides a new compact, custom designed RJ45 gold-plated shielded connector for enhanced protection against unwanted EMI therefore ensuring solid signal integrity. Using better materials, the RJ45 connector also features an almost unbreakable latch which is rated to 2,000+ 180ºdegree bends eliminating the need for cable replacements due to latch breakage, saving installers time and cable wastage, delivering the Kordz promise of "Connectivity Assured".

► Exceeds Category 6A ANSI/TIA 568.2-D standard for all frequencies from 1 to 500 MHz
► Each cable is individually performance tested with its own unique downloadable test report
► Anti-corrosion gold-plated shielded connector
► UL 444 (CMG) fire rating
► 568B wire connection configuration
► Overall cable diameter of 4.8mmØ
► Patented company connector with 'snap-proof' latch
► Available in 8 colours – Black, blue, grey, green, purple, yellow, red & white
► Available in 16 lengths from 0.15m to 30.0m
► Lifetime Warranty

CAT 6A | U/FTP | POE++ | SNAP PROOF | CMG FIRE RATED | LIFETIME WARRANTY

Component Test Compliant
10G Certified

Technical Specifications

Category 6A Network Patch Cord Specification Standard

Applicable Standards		ANSI/TIA-568.2-D
		IEC11801
		EN50173
Performance Standard	≤ 10.0m	Category 6A Component Tested
	≥ 15.0m	Category 6A Channel Tested
Wiring method		T568-B
Certified Data Rate		10 Gbps (Gigabit ethernet)
Supported Data Rate		≥ 10 Gbps (Gigabit ethernet)
Certified Bandwidth		1 to 500 MHz
Supported Bandwidth		≥ 500 MHz

Construction

|	
Conductors	Solid 28 AWG Oxygen-Free Stranded Copper
Conductor Insulation	Skinned Foam PE
Sheilding	Individual pairs AL-Mylar shielded 100% Coverage
Cable Jacket Material	UL CMG-rated PVC Composite
Connector Material	Nylon Composite
Contact Material	Solid Oxygen-free Copper, 50μ" Gold-plated
Contact Type	3-prong for solid/stranded conductors
Strain Relief	Injection-moulded PVC

Mechanical

Cable Diameter		28 AWG, 4.8mm/0.19"Ø
Maximum Cable Pulling Tension		80 kgf/cm²
Cable to Plug Tensile Strength		TBC
Cable Bend Radius		20.0mm | 0.79in
Recommended Total Mounting Depth		40.0mm | 1.57in
Mating Cycles (max.)		1000 cycles
Temperature range	UL Temp rating	75ºC

Electrical Characteristics

Conductor Resistance	223Ω/km
Insulation Resistance	10MΩ min @100V DC

CE | Pb lead-free | RoHS 2002/95/EC

PRS Cat6A Slim-Profile Network Patch Cord

40.0mm | 1.57in
Min. Recommended Mounting Depth

Latch

6.6mm
0.26in

13.45mm
0.53in

8.95mm
0.35in

6.5mm
0.26in

Min. Bend Radius
15.2mm | 0.60in

11.7mm
0.46in

Cable Ø   4.8mm
0.19in

Actual Size

4.8mm
0.19in
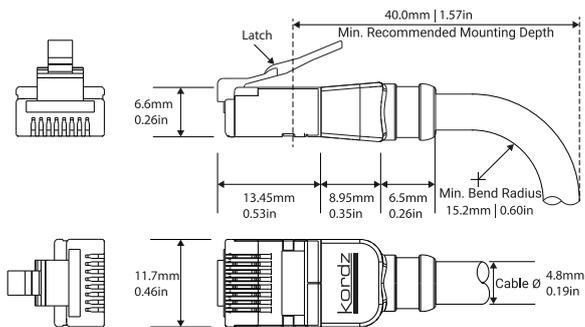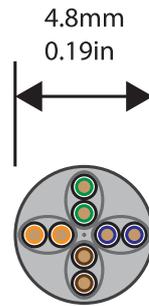
Kordz 28AWG Stranded
CAT6A Network Patch Cord

6.3mm(nominal)
0.25in(nominal)
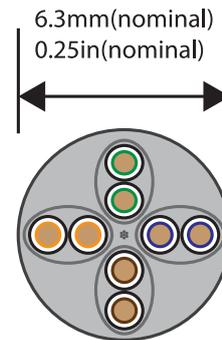
Standard 26AWG Stranded
CAT6A Network Patch Cord

Over 35% reduction in cross-sectional area

Available lengths

| 0.15m | 0.25m | 0.5m | 0.75m | 1.0m | 1.5m | 2.0m | 2.5m | 3.0m | 4.0m | 5.0m | 7.5m | 10m | 15m | 20m | 30m |

Applications
10GBASE-T (IEEE802.3an)
PoE (IEEE802.3af), PoE+ (IEEE802.3at), PoE++ (IEEE802.3bt Type 3 & 4)
Data Centre Networking & Wi-Fi Distribution
Voice/Data Systems and Voice over internet Protocol (VoIP)
Video Streaming

Available colours

BLACK   BLUE   GREEN   GREY   PURPLE   RED   WHITE   YELLOW

Part No:	Length	AWG	Technology	Test Standard	Length Variance	Inner Ctn Qty	Master Ctn Qty
K33946-0015-**xx**	0.15m | 0.49ft	28	Category 6A	Component	± 10mm	15	90
K33946-0025-**xx**	0.25m | 0.82ft				± 15mm	15	90
K33946-0050-**xx**	0.50m | 1.64ft				± 25mm	15	90
K33946-0075-**xx**	0.75m | 2.46ft				± 30mm	15	90
K33946-0100-**xx**	1.00m |3.28ft				± 50mm	12	72
K33946-0150-**xx**	1.50m | 4.92ft				± 50mm	12	72
K33946-0200-**xx**	2.00m | 6.56ft				± 50mm	12	72
K33946-0250-**xx**	2.50m | 8.20ft				± 50mm	12	72
K33946-0300-**xx**	3.00m | 9.84ft				± 100mm	10	60
K33946-0400-**xx**	4.00m | 13.1ft				± 100mm	8	48
K33946-0500-**xx**	5.00m | 16.4ft				± 100mm	8	48
K33946-0750-**xx**	7.50m | 24.6ft				± 100mm	12	36
K33946-1000-**xx**	10.0m | 32.8ft				± 100mm	10	30
K33946-1500-**xx**	15.0m | 49.2ft			Channel	± 200mm	8	16
K33946-2000-**xx**	20.0m | 65.6ft				± 200mm	8	16
K33946-3000-**xx**	30.0m | 98.4ft				± 200mm	8	16

[**xx**] = Represents the jacket colour				
	Black [**BK**]	RAL9011	Red [**RD**]	RAL3000
	Blue [**BL**]	RAL5015	Purple [**PP**]	RAL4005
	Green [**GN**]	RAL6018	White [**WH**]	RAL9003
	Grey [**GY**]	RAL7045	Yellow [**YL**]	RAL1018