

CATEGORY 6 UTP 360° SWIVEL SLIM PATCH CORD

Norden Category 6 UTP 360° Swivel Slim Patch Cords are manufactured using high quality unshielded four pair Category 6 stranded cable, it is designed with a swivelling connector that allows 360° swivel mechanism and provides longevity. This patch cord, when used with high performance Norden Category 6 connectivity (solid UTP cable, patch panels and work area outlets), provides superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx) applications support. This is fully backward compatible with Category 5e (Class D) products. Each patch cord is tested with Fluke tester and individual cover included with the report. Norden Category 6 Patch cord is tested for transmission frequencies of up to 250 Mhz.



COMPLIANCE

IEEE 802.af and IEEE 802.3at for PoE applications
ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition), IEC 61156-2,
EN 50173; EN 50288-6-2 Category 6 standard

DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare Copper
Conductor Size	32AWG
Wire Insulation	HDPE
Nom. Insulation Thickness	0.13mm
Insulation Diameter	0.55mm
Outer Jacket and Boots	LSZH/PVC
Cable overall diameter	2.8 ± 0.1 mm
Temperature Operating Range	-20 °C to +75 °C
Fire Rating	IEC 60332-1
Wire Scheme	T568B

ELECTRICAL DATA

Impedance	100 ±15 Ω @ 1-250 Mhz
Conductor Resistance	2 ~10 Ohms Max
Insulator Resistance	5 Ohms Min
Pair to Ground Capacitance Unbalance	3.3 nF/Km nom.

MECHANICAL & TRANSMISSION DATA

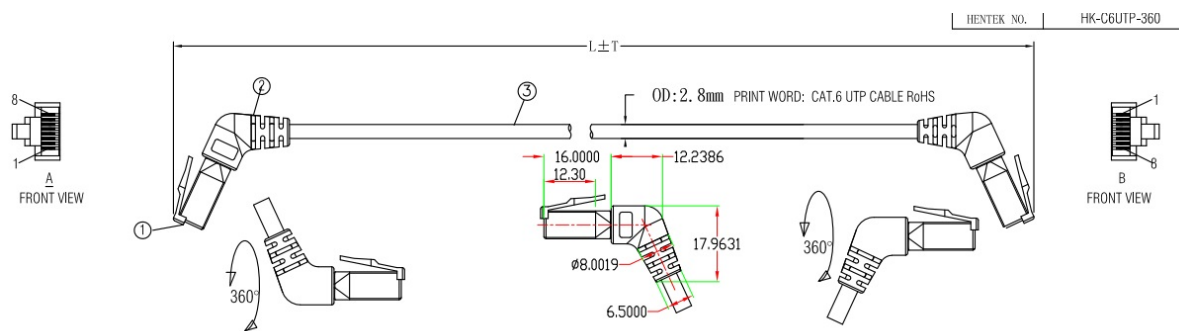
Cable to Plug Tensile Strength	1.05kgf/mm ²
Pulling Force	5kg
Durability	750 times
Propagation Delay 1 – 250MHz	< 25 ns/100m

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TRANSMISSION PERFORMANCE DATA

Freq. (MHz)	NEXT(dB) min.			RL(dB) min.
	2m cord	5m cord	10m cord	
1	68.0	68.0	68.0	20.0
4	65.0	65.0	65.0	21.8
10	64.8	64.2	62.8	22.5
20	60.9	58.6	57.2	23.4
30	56.2	54.9	53.6	23.0
60	50.4	49.2	48.1	20.0
100	46.4	45.3	44.4	18.0
125	44.5	43.5	42.7	17.0
150	43.2	42.2	41.1	16.2
200	40.8	39.6	39.1	15.0
250	38.8	37.9	37.6	13.8

DRAWING



ORDERING INFORMATION

Part Number	Description	Length
15Z-R1101X	Cat 6 UTP 360° Swivel Patch Cord PVC 01 Meter	1m
15Z-R1102X	Cat 6 UTP 360° Swivel Patch Cord PVC 02 Meter	2m
15Z-R1103X	Cat 6 UTP 360° Swivel Patch Cord PVC 03 Meter	3m
15Z-R1105X	Cat 6 UTP 360° Swivel Patch Cord PVC 05 Meter	5m
15Z-R2101X	Cat 6 UTP 360° Swivel Patch Cord LSZH 01 Meter	1m
15Z-R2102X	Cat 6 UTP 360° Swivel Patch Cord LSZH 02 Meter	2m
15Z-R2103X	Cat 6 UTP 360° Swivel Patch Cord LSZH 03 Meter	3m
15Z-R2105X	Cat 6 UTP 360° Swivel Patch Cord LSZH 05 Meter	5m

X: BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)