

# CAT6 UTP Slim Patch Cord, 28AWGx4P, PVC

## Technical Data Sheet

### PRODUCT DESCRIPTION

#### • Cable Specifications:

CAT6 UTP 4 X 1P[28AWG(7/0.12mm±0.008mm BC)]  
CM PVC JACKET OD: 3.6±0.20mm

#### • Standard Reference:

- ISO/IEC 11801:2017
- ANSI/TIA-568.2-D

#### • Physical characteristic

- Rated temperature: 75°C
- Installation temperature: -20-60°C
- Operating temperature: -20-75°C
- Min bending radius:8xOD in Operation:6xOD after operation
- Safety Characteristics:RoHS-2 2011/65/EU

#### • Application

- Support 250MHz bandwidth
- Support 1G Ethernet
- Applied to data centers, servers, switches, wiring racks and other equipment connections

### CABLE CONSTRUCTION

Conductor	Material	Stranded Bare Copper	
	Nom.O.D (mm)	7/0.12±0.008mm 28AWGx4P	
Insulation		FMPE	HDPE
Average Thickness(mm)	/	/	0.10
Insulation Dia.(±0.05mm)	/	/	0.60
Jacket	Average Thickness (mm)	0.6	
CM PVC	Outer Dia.(±0.20mm)	3.6	
Code Color	1 Blue/Blue*White	2 Orange/Orange*White	
	3 Green/Green*White	4 Brown/Brown*White	
Marking	CAT.6 U/UTP 28AWGX4P PATCH CONFORM TO ANSI/TIA-568.2-D & ISO/IEC 11801		

### TECHNICAL PERFORMANCE

TIA Cat 6 Channel Test

Frequency (MHz)	Insertion Loss	RL Min (dB)	NEXT Min (dB)
1	3.0	19.0	65.0
4	4.0	19.0	63.0
8	5.7	19.0	58.2
10	6.3	19.0	56.6
16	8.0	18.0	53.2
20	9.0	17.5	51.6
25	10.1	10.1	50.0
31.25	11.4	16.5	48.4
62.25	16.5	14.0	43.4
100	21.3	12.0	39.9
200	31.5	9.0	34.8
250	35.9	8.0	33.1

Frequency (MHz)	PSNEXT (dB/100m)	ACR-F (dB/100m)	PS ACR-F (dB/100m)	Impedance (Ohms)
1	62.0	63.3	60.3	
4	60.5	51.2	48.2	
8	55.6	45.2	42.2	
10	54.0	43.3	40.3	
16	50.6	39.2	36.3	
20	59.0	37.2	34.2	
25	47.3	35.3	32.3	100±15
31.25	45.7	33.4	30.4	
62.25	40.6	27.3	24.3	
100	37.1	23.3	20.3	
200	31.9	17.2	14.2	
250	30.2	15.3	12.3	

### CHARACTERISTICS

Conductor Resistance@20°C	≤242Ω/km
Resistance Unbalance@20°C	≤5%

### Cable Cross-Section Structure

