

## CATEGORY 6 PATCH CORD CABLE(P6012Y)

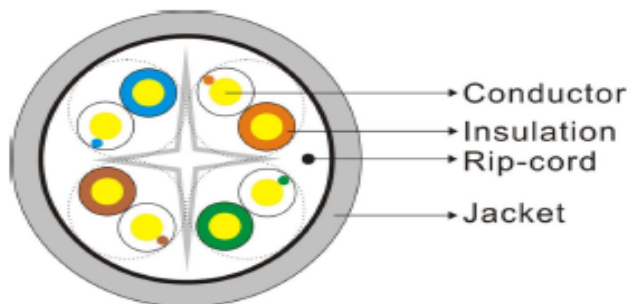
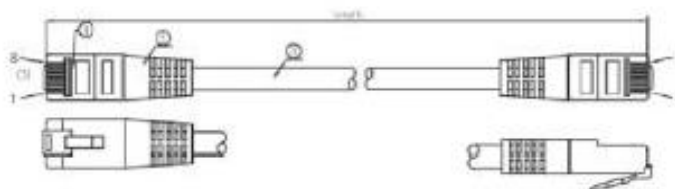
### General Features

- Available in 8 circuits (4 twisted pairs)
- Standard wires colours: Blue/Blue-white, Orange/Orange-white, Green/Green-white and Brown/Brown-white
- Available with/without shielding(UTP)
- Solid wire (AWG 24,7/0.2BC)
- HDPE insulator
- PVC jacket
- Frequency: Maximum 250MHz
- Operating temperature: -20°C to +75°C
- Lengths: 0.9m
- Connector Type: RJ45(8/8)
- Extreme termination 1: Modular plug
- Extreme termination 2: Modular plug
- Connection: 568B



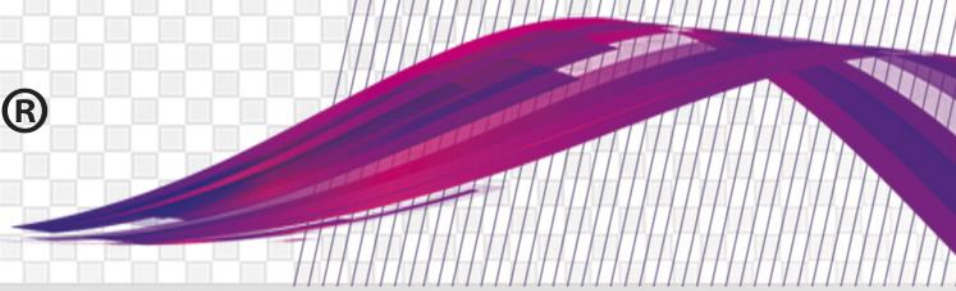
### Electrical Features

- DC-Loop resistance:  $\leq 0.0658\Omega/m$
- Propagation speed: 0.64
- Propagation delay: 4.80-5.30 ns/m
- Delay skew < 100MHz < 0.20 ns/m
- Capacitance: f.f.s
- Return Loss (Min. at 250MHz): 15.60 dB
- Attenuation: (Min. at 250MHz): 39.40 dB
- Meet EIA/TIA 568 B.2, EN 50173-1, ISO/IEC 11801



### PIN OUT

CN1 (568B)		CN2 (568B)	
WHITE/ORANGE 1	↔	1 WHITE/ORANGE	↔
ORANGE 2		2 ORANGE	
WHITE/GREEN 3	↔	3 WHITE/GREEN	↔
GREEN 6		6 GREEN	
BLUE 4	↔	4 BLUE	↔
WHITE/BLUE 5		5 WHITE/BLUE	
WHITE/BROWN 7	↔	7 WHITE/BROWN	↔
BROWN 8		8 BROWN	



TRANSMISSION SPECIFICATIONS								
Frequency(MHz)	Attenuation(Max)(dB/100m)	NEXT(Min)(dB/100m)	PSNEXT(Min)(dB/100m)	ELFEXT(Min)(dB/100m)	PS ELFEXT(db)	RL(Min)(dB)	Phase delay(Max)(ns/100m)	Delay(ns)
1	2	65	62	64	61	20	570	50
4	4.1	56	53	52	49	23	552	50
10	6.5	50	47	44	41	25	545	50
16	8.2	47	44	40	36.9	25	543	50
20	9.3	46	43	38	35	25	542	50
31.25	11.7	43	40	34	31.1	24	540	50
62.5	17	38	35	28	25.1	22	539	50
100	22	35	32	24	21	20	538	50