

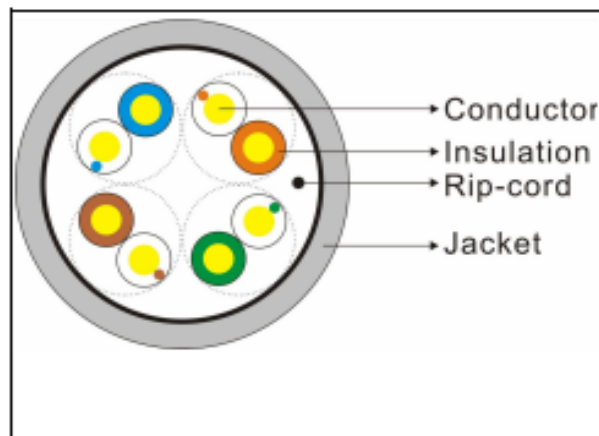
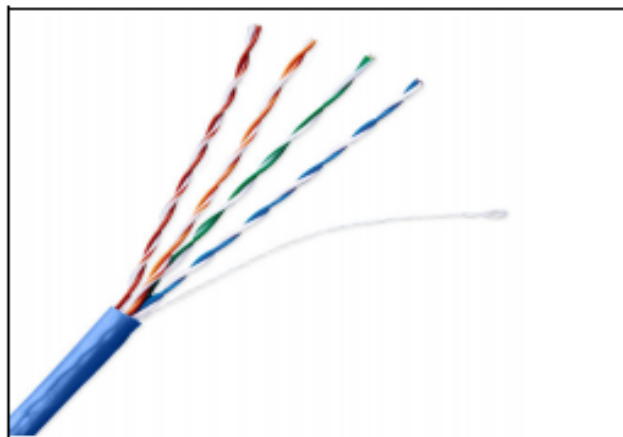
## CATEGORY 5E TWISTED CABLE (12251L305)

### 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 24/1,0.5CCA)
- HDPE insulator
- PVC jacket
- Frequency: Maximun 100MHz
- Operating temperature:-20°C to +75°C

### Electrical Features

- DC-Loop resistance:  $\leq 0.095\Omega/m$
- Propagation speed: 0.64
- Propagation delay: 4.80-5.30 ns/m
- Delay skew < 100MHz < 0.20 ns/m
- Capacitance: 5,6 Nf/100M
- 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



TRANSMISSION SPECIFICATIONS(FOR REFERENCE)

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	570
4	4.1	56	53	52	49	23	552	552
10	6.5	50	47	44	41	25	545	545
16	8.2	47	44	40	36.9	25	543	543
20	9.3	46	43	38	35	25	542	542
31.25	11.7	43	40	34	31.1	24	540	540
62.5	17	38	35	28	25.1	22	539	539
100	22	35	32	24	21	20	538	538