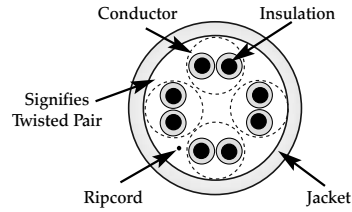


Category 5e UTP Solid Specifications



Construction

Conductor	24AWG Bare Solid Copper
Insulation	FRPE (PVC), 100% FEP (Plenum)*
Ripcord	Under jacket
Jacket	Flame Retardant PVC

*Note: Plenum are rated CMP Flame. Non-plenum are CMR Flame rated.

Compliances

- UL/CSA Listed CMR, CMP
- UL and ETL Verified to ANSI/TIA/EIA568A Category 5/EL verified
- ISO/IEC-11801
- NEMA WC 63.1

Electrical Characteristics

Impedance:	100±15 Ohms
Mutual Capacitance, Max. nf/1000 ft.:	17.1
DC Resistance, Max. Ohms/1000 ft.:	28.6
DC Resistance Unbalance of a pair:	5% Max.
Capacitance Unbalance (Pair to Ground):	330pf/100m Max.
Propagation Delay Skew:	25 nS/100M
Normal Velocity of Propagation:	Plenum FEP insulated 69%, Non-Plenum insulated 66%

MHz	IMPEDANCE	ATTN.	NEXT	ACR	ELFEXT	PSNEXT	PSACR	PSELFEXT	R.L.
1	100+15	2	68.3	66.3	68.8	66.3	64.3	66.8	22
4	100+15	4.1	59.3	55.2	56.7	57.3	53.2	54.7	25
8	100+15	5.8	54.8	49	50.7	52.8	47	48.7	26.5
10	100+15	6.5	53.3	46.8	48.8	51.3	44.8	46.8	27
16	100+15	8.2	50.3	42.1	44.7	48.3	40.1	42.7	27
20	100+15	9.3	48.8	39.5	42.8	46.8	37.5	40.8	27
25	100+15	10.4	47.3	36.9	40.8	45.3	34.9	38.8	26.3
31.25	100+15	11.7	45.9	34.2	38.9	43.9	32.2	36.9	25.6
62.5	100+15	17	41.4	24.4	32.8	39.4	22.4	30.8	23.5
100	100+15	22	38.3	16.3	28.8	36.3	14.3	26.8	22.1

Cable Data

Part No.	No. of Pairs	Insulation Thickness (mm/inch)	Nom. O.D. (mm/inch)	Weight (lb/kg/kft)	Flame Rating	Packaging
A7L504-1000	4	0.2/0.0079	5.3/0.21	23.5/10.7	CMR	1000' Pull Box
A7L504-1000-P	4	0.19/0.0075	4.8/0.19	23.5/10.7	CMP	1000' Pull Box
A7L504-250-P	4	0.19/0.0075	4.8/0.19	6.1/2.8	CMP	250' Pull Box
A7L504-250	4	0.2/0.0079	5.3/0.21	6.1/2.8	CMR	250' Pull Box