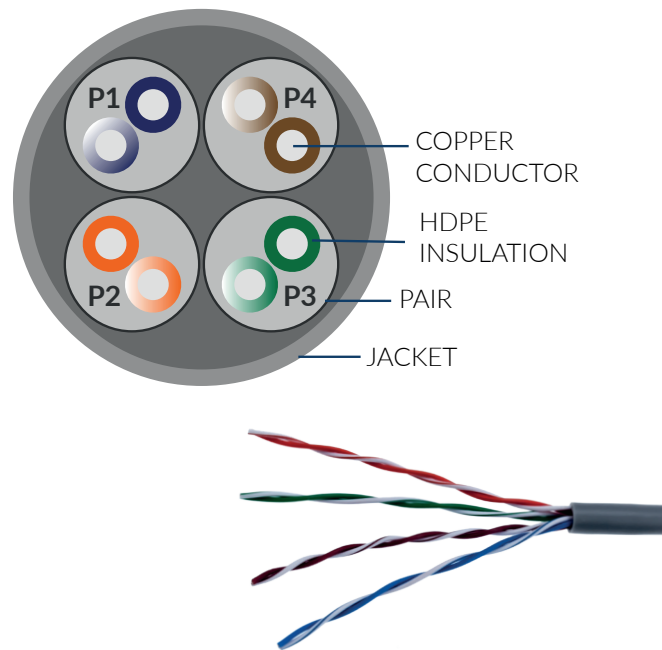


CAT5E UTP PVC 24 AWG Cable Specification Sheet

CAT5E UTP PVC

	STRUCTURE AWG	AWG	24# (1/24)
CONDUCTORS	Material	24	Solid Bare Copper
INSULATION	Material	----	HDPE
	Diameter	mm	Ø 0.85+/-0.05
	Average Thickness	mm	0.25+/-0.05
SHIELDING 1	Type	----	
ASSEMBLY	Direction	----	S
	No. of Insulations	Pair	4
SHIELDING 2	Material	----	----
SHIELDING 3	Shield	----	----
JACKET	Material	----	PVC
	Diameter	mm	Ø 5.3+/-0.3
	Average Thickness	mm	0.6+/-0.1



AVAILABLE IN:

GREY	EM02.001	RED	EM02.005	GREEN	EM02.006	YELLOW	EM02.007	BLUE	EM02.008
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FREQUENCY	RL (MIN)	IL (MAX)	DOP (MAX)	DELAY SKEW (MAX)	NEXT (MIN)	PSNEXT (MIN)	ACR-F (MIN)	PSACR-F (MIN)
(MHZ)	(dB)	(dB/100m)	(ns/100m)	(ns/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)
1	20.0	2.0	570	45	65.3	62.3	63.8	60.8
4	23.0	4.1	552	45	56.3	53.3	51.8	48.8
10	25.0	6.5	545	45	50.3	47.3	43.8	40.8
16	25.0	8.2	543	45	47.2	44.2	39.78	36.7
20	25.0	9.3	542	45	45.8	42.8	37.8	34.8
31.25	23.6	11.7	540	45	42.9	39.9	33.9	30.9
62.5	21.5	17.0	538	45	38.4	35.4	27.9	24.9
100	20.1	22.0	537	45	35.3	32.3	23.8	20.8

Application

- Meets or exceeds requirements of ANSI/TIA568-C.2 and IEC/ISO 61156-5 Category 5E component standards
- Meets or exceeds requirements of ANSI/TIA568-C.2 Category 5E and ISO 11801 2nd class D channel standards.
- Third party tested to CAT 5E channel compliance
- Meets requirements of IEEE 802.3af and IEEE 802.3at for POE applications
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap

Electrical Characteristics:

- Impedance :1-100MHz 100±15 (ohms)
- Rated temp: 75°C
- DC Resistance unbalance (%): max 2.5
- DC Resistance 20°C: ≤ 110 (Ohms/Km)
- Pair to ground Capacitance Unbalance 330 (pF/100m)
- Installation resistance >5000MΩ*Km
- Dielectric strength DC 2500V 2S
- CPR Rating: ECa



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