



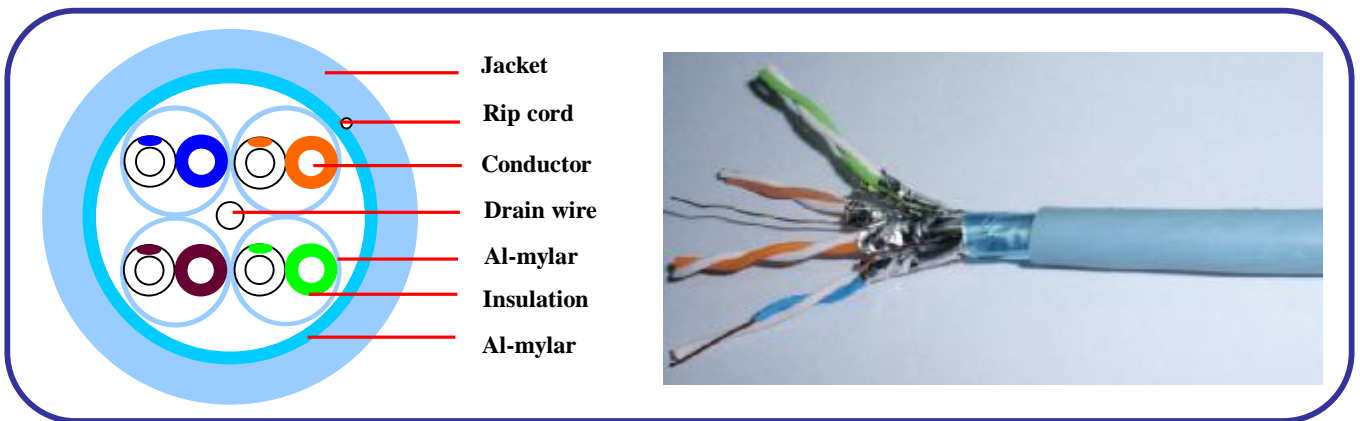
## UTP CAT.7

### Ø Type & Specification

Standard: IEC61156-5

Type	Conductor AWG	Insulation	Jacket	Rated Temperature
CAT.7	23	HDPE	PVC (CM、CMR) LSOH	75°C

### Ø Product Structure



### Ø Characteristics

Conductor resistance, maximum,	$\Omega/\text{km}$ (20°C)	66
DC Resistance Imbalance(maximum)	%	2.5
Dielectric strength (DC test voltage for 3 second, )	DC (V)	1500
Insulation resistance, minimum,	M $\Omega \cdot \text{km}$	5000

### Ø Transmission Characteristics

Frequency	RL	IL	NEXT	PSNEXT	ELFEXT	PSELFEXT	ZO	DELAY
MHZ	$\geq \text{dB}$	$\leq \text{dB}$	$\geq \text{dB}$	$\geq \text{dB}$	$\geq \text{dB}$	$\geq \text{dB}$	$\Omega$	$\leq \text{ns}/100\text{m}$
1.0	20.0	2.0	74.3	75	91	75	100±15	570.0
4.0	23.0	4.1	65.3	75	79	75	100±15	552.0
10.0	25.0	6.5	59.3	75	71	71	100±15	545.4
20.0	25.0	9.3	56.2	75	65	65	100±15	542.0
31.25	23.6	11.7	53.3	75	61.1	61	100±15	540.4
100.0	20.1	22.0	47.4	69	51.0	51	100±22	537.6
200.0	18.0	32.4	44.3	65	45.0	45	100±22	536.5
300.0	16.8	41.0	39.8	62	41.5	41	100±25	536.1
600.0	14.7	62.0	38.3	58	35.4	35	100±25	535.5

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