



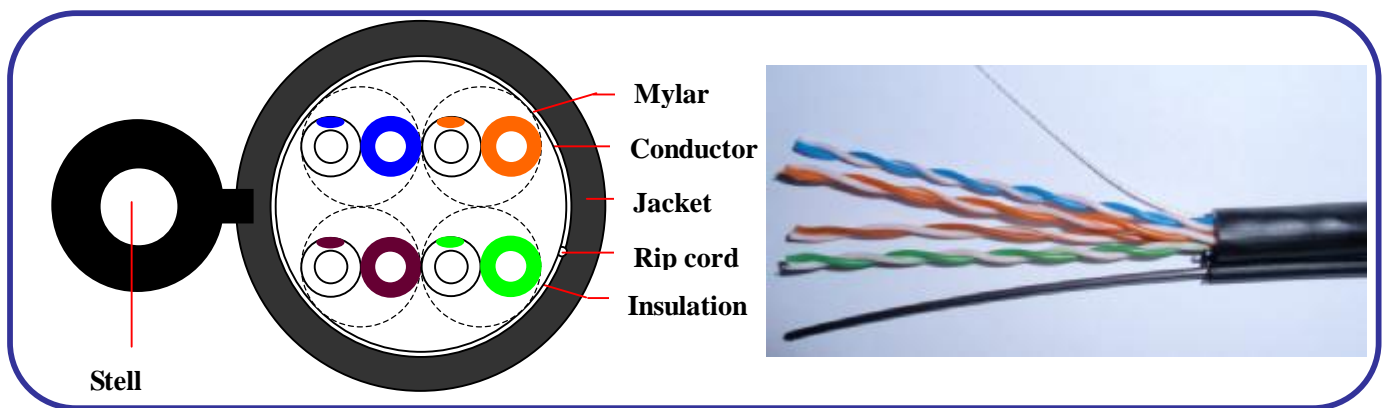
## Figure“8”UTP 5e With Messenge

### Ø Type & Specification

Standard: UL444 TIA/EIA-568B IEC61156 ISO/IEC11801

Type	Conductor AWG	Galvanized stell wire	Jacket	Rated Temperature
UTP CAT.5e	24	1.2mm	LDPE 、 LLDPE、 HDPE	60℃

### Ø Product Structure



### Ø Characteristics

Conductor resistance, maximum,	$\Omega/\text{km}$ (20℃)	95
Mutual pairs capacitance	nF /km	54
Dielectric strength (DC test voltage for 1 min, )	DC (V)	1000
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	65.3	62.3	64.0	61.0	100±15	570.0
4.0	23.0	4.1	56.3	53.3	52.0	49.0	100±15	552.0
10.0	25.0	6.5	50.3	47.3	44.0	41.0	100±15	545.4
16.0	25.0	8.2	47.2	44.2	39.9	36.9	100±15	543.0
20.0	25.0	9.3	45.8	42.8	38.0	35.0	100±15	542.0
31.25	23.6	11.7	42.9	39.9	34.1	31.1	100±15	540.4
62.5	21.5	17.0	38.4	35.4	28.1	25.1	100±15	538.6
100.0	20.1	22.0	35.3	32.3	24.0	21.0	100±15	537.6

### GRAND EASE COMMUNICATION CABLE CO.,LTD

ADD:19.Xingrong WestRoad,Nanqu Industrial Zone,Ronggui,Shunde District,Foshan City Guangdong,China  
 P.C:528305 E-mail:Office@grandease.com TEL:0757-28380333 FAX:0757-28301268 [Http://www.grangdease.com](http://www.grangdease.com)