

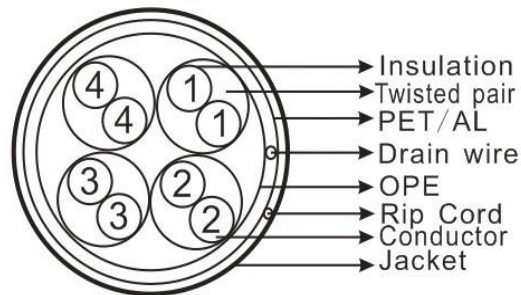
# TECHNICAL DATA SHEET

## FTP CAT.5E WELL

Electrical Property (20°C)

Item	Parameter	Note				
Conductor resistance	$\leq 12.5\Omega/100m$					
Insulation resistance	$\geq 5000M\Omega Km$ (DC500V Charge 1 minute)					
Voltage endurance	DC 1000V/min without breakdown					
Mutual capacitance	$\leq 5.6nF/100m$					
Core-core resistance unbalance	$\leq 5.0\%$					
<b>High frequency performance</b>						
Item	Attenuation $\leq dB/100m$	RL $\geq dB/100m$	NEXT $\geq dB/100m$	PSNEXT $\geq dB/100m$	ACR-F $\geq dB/100m$	Remark
Freq						
1MHz	3.0	17.0	60.0	57.0	57.4	FLLUKE TIA CAT5E Channel
4MHz	4.5	17.0	53.6	50.6	45.4	
10MHz	7.1	17.0	47.0	44.0	37.4	
16MHz	9.1	17.0	43.6	40.6	33.3	
20MHz	10.2	17.0	42.0	39.0	31.4	
25MHz	11.4	16.0	40.4	37.4	29.4	
31.25MHz	12.9	15.1	38.7	35.7	27.5	
62.5MHz	18.6	12.1	33.6	30.6	21.5	
100MHz	24.0	10.0	30.1	27.1	17.4	

Structure drawing :



Color of twisted pair (Arabic numerals in structure drawing stand for the twisted pair)

No.	Color of insulation	
	With stripe	Without stripe
1	White/Blue	Blue
2	White/Orange	Orange

3	White/Green	Green
4	White/Brown	Brown