

# SF/UTP CAT5E CABLE



## ITEM NO .

- 5 Enhanced SF/UTP AWG24

## TEST STANDARD

- ISO/IEC 11801 TIA/EIA 568C.2

## CONDUCTOR

### MATERIAL

- Solid Bare Copper

### NOM.O.D.

- 0.51 ±0.003mm

## INSULATION

### MATERIAL

- HDPE

### NOM.O.D.

- 1.00 ±0.03mm

## SHIELD

Al Foil

## BRAID

TC/Al Wire

## JACKET

### THICKNESS

- 0.60 ±0.05mm

### EXTERNAL O.D.

- 6.2 ±0.3mm

### MATERIAL

- PVC
- LSZH
- PE

### COLOR

- As required

## ELECTRICAL

### CHARACTERISTICS (20)

- Impedance( ) 100 ±15
- Delay Shew(ns/100m) 45
- NVP 69%
- Capacitance(nf/100m) 5.6
- Capacitance unbalanced to-ground(pf/100m) 330
- DC Resistance( /100m) 9.5
- DC Conductor Resistance Unbalance(%) 5.0

### RIP-CORD

- Yes

### DRAIN WIRE

- 0.40TC



## PLASTIC REEL & PULL CARTON



### DIMENSION

33\*26.5\*34cm

### LENGTH

305 ±1.5m

## WOODEN REEL & CARTON

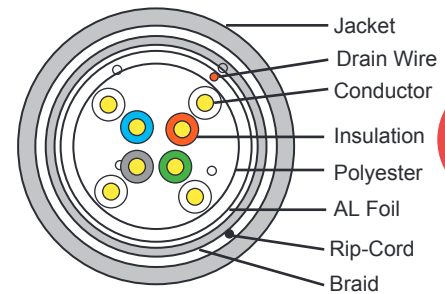


### DIMENSION

31\*31\*29cm

### LENGTH

305 ±1.5m



## TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL dB	ATT(20°) dB	NEXT dB	ACR dB	FREQUENCY (MHz)	PSNEXT dB	ELFEXT dB	PSELFEXT dB
1.0	20.0	2.0	65.3	63.3	1.0	62.3	63.8	60.8
4.0	23.0	4.1	56.3	52.2	4.0	53.3	51.8	48.8
8.0	24.5	5.8	51.8	46.0	8.0	48.8	45.7	42.7
10.0	25.0	6.5	50.3	43.8	10.0	47.3	43.8	40.8
16.0	25.0	8.2	47.2	39.0	16.0	44.4	39.7	36.7
20.0	25.0	9.3	45.8	36.5	20.0	42.8	37.8	34.8
25.0	24.3	10.4	44.3	33.9	25.0	41.3	35.8	32.8
31.25	23.6	11.7	42.9	31.2	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	21.4	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	13.3	100	32.3	23.8	20.8

## JACKET PHYSICAL PROPERTIES

### JACKET

		AGING		COLD BEND	
ITEM		AGING PERIOD	100°*24H*7D	COLD PERIOD	-20 ±2°C*4H
		Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	13.5 Mpa	12.5 Mpa	No Visible Cracks	
	Elongation	150 %	125 %		
LSZH	Tensile Strength	10.0 Mpa	8.0 Mpa		
	Elongation	125%	100%		
PE	Tensile Strength	10.0 Mpa	8.0 Mpa		
	Elongation	350 %	350 %		

P/N	DESCRIPTION
SFU5.51.PV - E	Cat5E SF/UTP AWG24 PVC Jacket CPR class Eca
SFU5.51.LS - E	Cat5E SF/UTP AWG24 LSZH Jacket CPR class Eca
SFU5.51.PE - E	Cat5E SF/UTP AWG24 PE Jacket CPR class Eca
SFU5.51.PVPE - F	Cat5E SF/UTP AWG24 PVC + PE Jacket CPR class Fca

Special Jackets in accordance with customer's requirements