

# F/UTP CAT5E CABLE – CPR Dca/Eca



## ITEM NO.

- 5 Enhanced F/UTP AWG24

## TEST STANDARD

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

## CONDUCTOR

### MATERIAL

- Solid Bare Copper

### NOM.O.D.

- 0.51±0.005mm

## INSULATION

### MATERIAL

- HDPE

### NOM.O.D.

- 1.02±0.05mm

## SHIELD

Al Foil

## JACKET

### THICKNESS

- 0.55±0.05mm

### EXTERNAL O.D.

- 6.1 ±0.3mm

### MATERIAL

- PVC
- LSZH
- PE

### COLOR

- As required

## ELECTRICAL

### CHARACTERISTICS (20)

- Impedance( $\Omega$ ) 100±15
- Delay Shew(ns/100m) ≤45
- NVP 69%
- Capacitance(nf/100m) ≤5.6
- Capacitance unbalanced ≤330 to-ground(pf/100m)
- DC Resistance( $\Omega$ /100m) ≤9.38
- DC Conductor Resistance ≤2.0 Unbalance(%)

### RIP-CORD

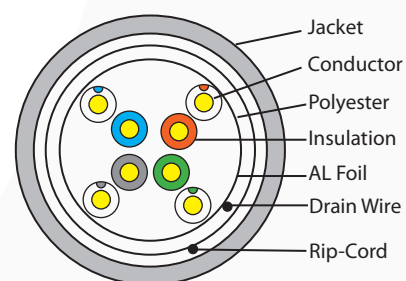
- Yes

### DRAIN WIRE

- 0.40mm TC



PULL CARTON	PLASTIC REEL & PULL CARTON	PALLET
		



## TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	PHASE DELAY ≤ns
1.0	20.0	2.0	65.3	62.3	63.8	60.8	570
4.0	23.0	4.1	56.3	53.3	51.8	48.8	552
8.0	24.5	5.8	51.8	48.8	45.7	42.7	547
10.0	25.0	6.5	50.3	47.3	43.8	40.8	545
16.0	25.0	8.2	47.2	44.4	39.7	36.7	543
20.0	25.0	9.3	45.8	42.8	37.8	34.8	542
25.0	24.3	10.4	44.3	41.3	35.8	32.8	541
31.25	23.6	11.7	42.9	39.9	33.9	30.9	540
62.5	21.5	17.0	38.4	35.4	27.9	24.9	539
100	20.1	22.0	35.3	32.3	23.8	20.8	538

## 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.				
<b>PVC</b>	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks					
	Elongation	≥150 %	≥125 %						
<b>LSZH</b>	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa			No Visible Cracks			
	Elongation	≥125%	≥100%						
<b>PE</b>	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa					No Visible Cracks	
	Elongation	≥350 %	≥350 %						

P/N	DESCRIPTION
FU5.51.PV - E	Cat5E F/UTP AWG24 PVC Jacket CPR class Eca
FU5.51.LS - E	Cat5E F/UTP AWG24 LSZH Jacket CPR class Eca
FU5.51.PE - F	Cat5E F/UTP AWG24 PE Jacket CPR class Fca
FU5.51.PVPE - F	Cat5E F/UTP AWG24 PVC + PE Jacket CPR class Fca
FU5.51LS - D	Cat5E F/UTP AWG24 LSZH Jacket CPR class Dca

Special Jackets in accordance with customer's requirements