

F/UTP CAT6A CABLE



ITEM NO.

- 6A F/UTP AWG23

TEST STANDARD

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

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.565±0.005mm

INSULATION

MATERIAL

- 3 Pair:HDPE + 1Pair Foam PE

NOM.O.D.

- 1.15±0.05mm

SHIELD

Al Foil

JACKET

THICKNESS

- 0.55±0.05mm

EXTERNAL O.D.

- 7.5±0.3mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

• IMPEDANCE(Ω)

- 1 - 250 MHz 100±15
- 251-350MHz 100±18
- 351-500MHz 100±23
- Delay Shew(ns/100m) ≤45
- NVP 74%
- Capacitance(nf/100m) ≤5.6
- Capacitance unbalanced ≤330 to-ground(pf/100m)
- DC Resistance(Ω/100m) ≤9.38
- DC Conductor Resistance ≤2.0 Unbalance(%)

RIP-CORD

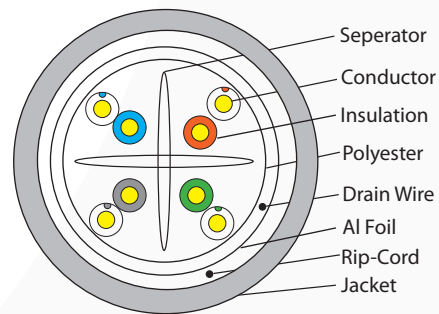
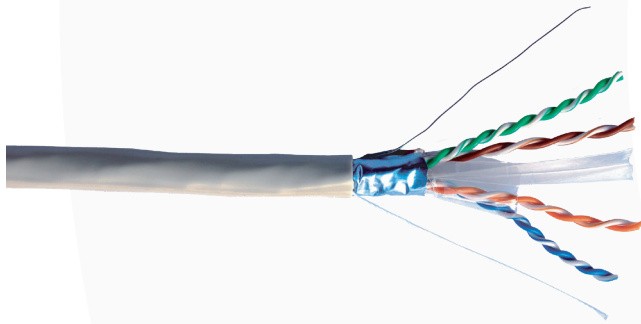
- Yes

DRAIN WIRE

- 0.40mm TC



WOODEN REEL	PALLET
	



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	PSNEXT ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10.0	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.7	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.7	24.8	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	27.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

Note: PS ANEXT & PS AACR-F are not applicable.

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			No Visible Cracks			
	Elongation	≥125%	≥100%						
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa					No Visible Cracks	
	Elongation	≥350 %	≥350 %						