

# CAT.6A Shielded Industrial Trailing Installation Raw Cable, PUR, Drag Chain Suitable



## PRODUCT DESCRIPTION

### • Cable Specifications:

CAT6A SF/UTP 4P\* [ AWG(30 0.08±0.008BC)+Non-woven fabric]+PP PORE+AL MYLAR+BRAID(16\* 0.10TC)+Non-woven fabric PUR JACKET  
OD: .8±0.2MM 26 /

### • Standard Reference: 9/

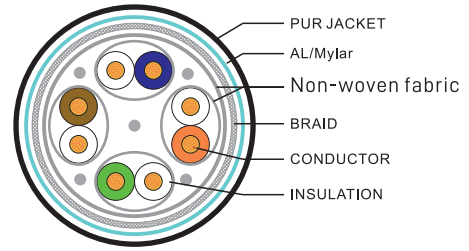
- ISO/IEC 11801:2017
- ANSI/TIA-568.2-D

### • Physical characteristic

- Rated temperature: 75°C
- Installation temperature: -20-60°C
- Operating temperature: -40-80°C
- Dragchain capable:10 million times
- Min bending radius:15xOD in Operation:10xOD after operation
- Safety Characteristics:RoHS-2 2011/65/EU

### • Application

- Support 500MHz bandwidth
- Support 10G Ethernet
- Applied to data centers, servers, switches, wiring racks and other equipment connections



Cable Cross-Section Structure

CABLE CONSTRUCTION			
Conductor	Material	Stranded Bare Copper	
	Nom.O.D (mm)	30/0.08±0.008mm 26AWGx4P	
Insulation	FMPE	HDPE	
Average Thickness(mm)	/	0.29	
Insulation Dia.(±0.05mm)	/	0.98	
Non-woven fabric	COVERAGE 100%	OVERLAP25%min	
Al-foil	COVERAGE 100%	OVERLAP25%min	
PP pore*5PCS			
Braid	Material	TC	
	Size (±0.008mm)	16*9/0.10	
	Coverage	80%	
Jacket PUR	Average Thickness (mm)	0.85	
	Outer Dia.(±0.20mm)	6.8	
Code Color	1 Blue*Blue/White	2 Orange*Orange/White	
	3 Green*Green/White	4 Brown*Brown/White	
Marking	/		
Packaging length	1000FT/R		
Packaging method	Wood shaft packaging		

CHARACTERISTICS	
Conductor Resistance@20°C	≤178Ω/km
Resistance Unbalance@20°C	≤5%

TECHNICAL PERFORMANCE (100m)			
TIA Cat 6A Test			
Frequency (MHZ)	Insertion Loss	RL Min (dB)	NEXT Min (dB)
1	3.0	19.0	65.0
4	4.2	19.0	63.0
8	5.8	19.0	58.2
10	6.5	19.0	56.6
16	8.2	18.0	53.2
20	9.2	17.5	51.6
25	10.2	17.0	50.0
31.25	11.5	16.5	48.4
62.25	16.4	14.0	43.4
100	20.9	12.0	39.9
200	30.1	9.0	34.8
250	33.9	8.0	33.1
350	40.6	6.6	30.3
450	46.5	6.0	27.3
500	49.3	6.0	26.1

Frequency (MHZ)	PS NEXT Min(dB)	ELFEXT Min(dB)	PSELFEXT Min(dB)	Impedance (Ohms)
1	62.0	63.3	60.3	100±15
4	60.5	51.2	48.2	
8	55.6	45.2	42.2	
10	54.0	43.3	40.3	
16	50.6	39.2	36.2	
20	49.0	37.2	34.2	
25	47.3	35.3	32.3	
31.25	45.7	33.4	30.4	
62.25	40.6	27.3	24.3	
100	37.1	23.3	20.3	
200	31.9	17.2	14.2	
250	30.2	15.3	12.3	
350	27.3	12.4	9.4	
450	24.4	10.2	7.2	
500	23.2	9.3	6.3	

