

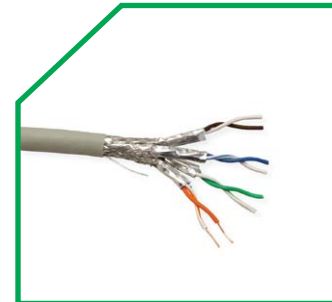
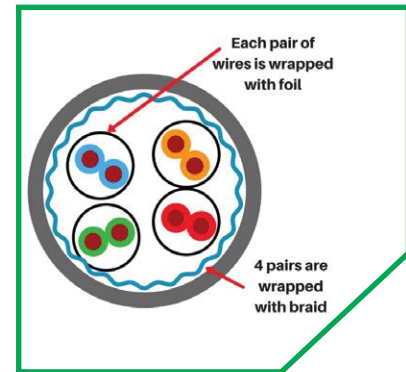
**Part Number: PVC:** PL-CA6ASTP / **LSZH:** PL-CA6ASTL

**FEATURES:**

comply with all category 6A requirements as:

- ISO/IEC 11801 ED.2.2:2011
- ANSI/TIA 568-C.2:2011
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- Characterized and tested to 550MHz

**DRAWING:**



**APPLICATIONS:**

- 10GBASE-T Ethernet
- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

**CONFIGURATION:**

Category	SFTP CAT6A			Jacket Physical Properties	Before Aging Tensile Strength(Mpa)≥13.5
Test Standard	ISO/IEC 11801,TIA/EIA 568C.2				Elongation(%)≥150
Conductor	Material	Solid Bare Copper			Aging Period(°C*hrs) 100°C*24h*7d
	Nom.O.D.	0.57±0.003mm			After Aging Tensile Strength(MPa) ≥12.5
Insulation	Material	Skin-foam-Skin PE		Elongation(%) ≥125	
	Nom.O.D.	1.42±0.05mm		Coldbend(-20±2°C*4h) No visible cracks	
Shield	Al Foil+Braiding			Electrical Characteristics (20°C)	Impedance(Ω) 100±15
Jacket	Thickness	0.65±0.05mm			Delay Shew(ns/100m) ≤45
	External O.D.	7.6±0.3mm			NVP 69%
	Material	PVC or PE or LSZH			Capacitance(nf/100m) ≤5.6
	Color	According to Requires			DC Resistance(Ω/100m) ≤9.5
Rip-cord	Yes	Drain Wire	0.40TC	DC Resistance Unbalance(%) ≤2.0	

Part Number: PVC: PL-CA6ASTP / LSZH: PL-CA6ASTL

Frequency	ATT(20°C)	RL	NEXT	PSNEXT	ACR-F	PS ACR-F	PS ANEXT	PS AACR-F
(MHz)	≤dB	≥dB	≥dB	≥dB	≥dB	≥dB	≥dB	≥dB
1	2.1	20	74.3	72.3	67.8	64.8	67	67
4	3.8	23	65.3	63.3	55.8	52.8	67	66.2
10	5.9	25	59.3	57.3	47.8	44.8	67	58.2
16	7.5	25	56.2	54.2	43.7	40.7	67	54.1
20	8.4	25	54.8	52.8	41.8	38.8	67	52.2
31.25	10.5	23.6	51.9	49.9	37.9	34.9	67	48.3
62.5	15	21.5	47.7	45.4	31.9	28.9	65.6	42.3
100	19.1	20.1	44.3	42.3	27.8	24.8	62.5	38.2
200	27.6	18	39.8	37.8	21.8	18.8	58	32.2
250	31.1	17.3	38.3	36.3	19.8	16.8	56.5	30.2
300	34.3	16.8	37.1	35.1	18.3	15.3	55.3	28.7
500	45.3	15.2	33.8	31.8	13.8	10.8	52	24.2
550	51.2	14.5	35.1	29.5	10.8	9.6	48	20.2

