

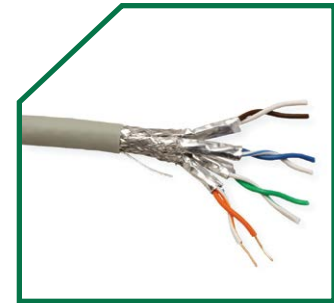
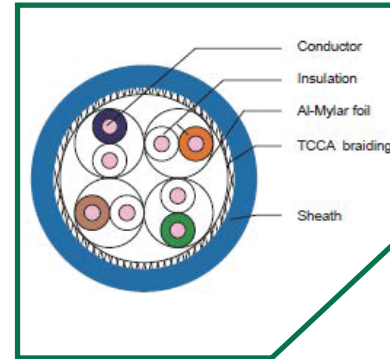
Part Number: PVC: PL-CA7STP LSZH: PL-CA7STL

FEATURES:

comply with all category 7 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 350MHz

DRAWING:



APPLICATIONS:

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

CONFIGURATION:

Category	SFTP CAT.7			Jacket Physical Properties	Before Aging Tensile Strength(Mpa)≥13.5
Test Standard	ISO/IEC 11801,TIA/EIA 568B.2 IEC61156-5				Elongation(%)≥150
Conductor	Material	Solid Bare Copper			Aging Period(°C*hrs) 100°C*24h*7d
	Nom.O.D.	0.585±0.003mm			After Aging Tensile Strength(MPa) ≥12.5
Insulation	Material	Skin-foam-Skin PE		Elongatio n(%) ≥125	
	Nom.O.D.	1.40±0.05mm		Cold bend(-20±2°C*4h) No visible cracks	
Shield	Al Foil 100%	Braid 30%	Tinned copper braid or Al braid	Electrical Characteristics (20°C)	Impedance(Ω) 100±15
Jacket	Thickness	0.65±0.05mm			Delay Shew(ns/100m) ≤45
	External O.D.	7.4±0.2mm			NVP 69%
	Material	LSZH			Capacitance(nf/100m) ≤5.6
	Color	According to Requires			DC Resistance(Ω/100m) ≤9.5
Rip-cord	Yes	Drain Wire	Tinned copper	DC Resistance Unbalance(%) ≤2.0	
Packing	305meters or 500m/Wooden Reel/Carton				

Part Number: PVC: PL-CA7STP LSZH: PL-CA7STL

Technical Performance (100M)

Frequency (MHZ)	(ohm)	RL(dB)	ATTN (dB/100m)	NEXT (dB)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	SELFEXT (dB/100m)	Transmit Speed
0.772		19.4	1.8	76	74	70	67	
1		20.0	2.0	74.3	72.3	61.8	64.8	
4		23.0	3.8	65.3	63.3	55.8	52.8	
8		24.5	5.3	60.8	58.8	49.7	46.7	
10		25.0	6	59.3	57.3	47.8	44.8	
16		25.0	7.6	56.2	54.2	43.7	40.7	
20	100±10Ω	25.0	8.5	54.8	52.8	41.8	38.8	0.65C
25		24.3	9.5	53.3	51.3	39.8	36.8	
31.25		23.6	10.7	51.9	49.9	37.9	34.9	
62.5		21.5	15.4	47.4	45.4	31.9	28.9	
100		20.1	19.8	44.3	42.3	37.8	24.8	
200		18.0	29	39.8	37.8	21.8	18.8	
250		17.3	32.8	38.3	36.3	19.8	16.8	

