Planet
Structure Cabling Systems

Category 7 S/FTP Cable

Network Cable

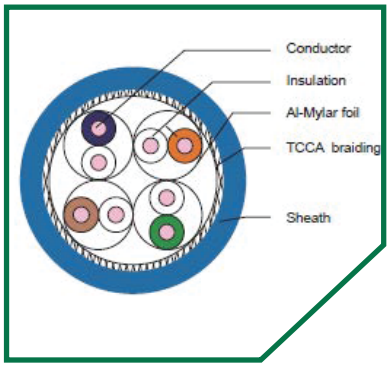
Part Number: **PVC:** PL-CA7STP **LSZH:** PL-CA7STL

FEATURES:

comply with all category 7 requirements as:

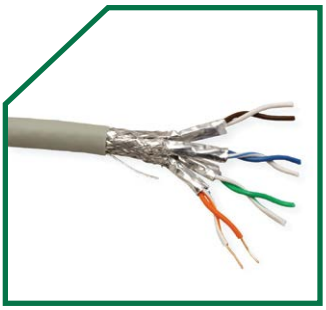
- ISO/IEC 11801 ED.2.2:2011
- ANSI/TIA 568-C.2:2011
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- Characterized and tested to 1000MHz

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 Elongation(%)≥150
Test Standard	ISO/IEC 11801,TIA/EIA 568B.2 IEC61156-5				
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 Elongatio n(%) ≥125
Insulation	Material	Skin-foam-Skin PE			
	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				

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Technical Performance (100M)

Frequency	Attenuation	NEXT	PS-NEXT	ACR	PS-ACR	ELFEXT	PS-ELFEXT	RL
MHZ	db	db	db	db/100m	db/100m	db/100m	db/100m	db
1	1.8	100	97	98	95	105	105	-
4	3.4	100	97	97	94	105	102	27
10	5.4	100	97	95	92	97	94	30
16	6.8	100	97	93	90	93	90	30
20	7.7	100	97	92	89	91	88	30
31.2	9.6	100	97	90	87	87	84	30
62.5	13.7	100	97	86	83	81	78	30
100	17.4	100	97	83	80	77	74	30
125	19.5	95	92	75	72	75	72	26
155.5	21.9	94	91	72	69	73	70	26
175	23.3	93	90	70	67	72	69	25
200	25	92	89	67	64	71	68	25
250	28.1	90	87	62	59	69	66	24
300	30.9	89	86	58	55	67	64	24
450	38.3	87	84	48	45	64	61	23
600	44.8	85	82	40	37	61	58	22
750	52	83	80	31	28	59	56	21
900	59.4	82	79	23	20	58	55	20
1000	58.5	81	78	22	19	50	53	18