

Specification for Category 7 S/FTP Stranded Lan Cable
Spec. No. S1041118 Version: A Date: November 18, 2015

28AWG x 4P

ISO/IEC 11801: Patch Cable (Stranded Conductor)

1. Conductor: Material / Size Bare copper / 28AWG

2. Insulation : HDPE(CMI-75E)

Min. Avg. Thickness: 0.25 mm;

Min. Thickness: 0.22 mm

3. Color Code: Pair 1: Blue & White/Blue

Pair 2: Orange & White/Orange

Pair 3: Green & White/Green

Pair 4: Brown & White/Brown

4. Shield: Aluminum-mylar tape and Drain wire(tinned copper conductor)
 coverage 70 % tinned copper braid

5. Jacket: LSZH (low-smoke & non-halogen) compound

Min. Avg. Thickness: 0.585 mm;

Min. Thickness: 0.458 mm

Approximate O.D.: 5.3 mm +/- 0.03mm

6. Electric Requirements: (Cable length: 100M)

Characteristic Impedance(Z_0): 85~115 Ω (1~600 MHz)

DC. Resistance Capacitance Unbalance: 5%

Pair-to-Ground Capacitance Unbalance: 330 pF/100M Max

Conductor Resistance: 22.3 Ω / 100M 20 $^{\circ}$ C Max

Mutual Capacitance: 5600 pF/100M Max

Spark Test: 2.5KV

Nominal Velocity of Propagation (NVP): 80 %

7. PRINTING IN BLUE INK

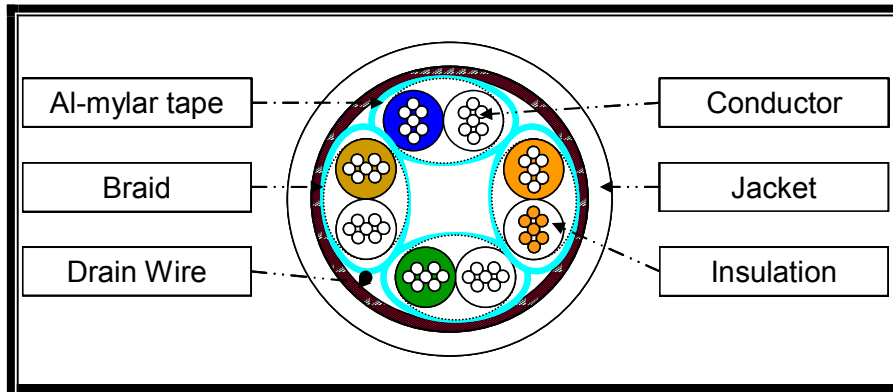
4PR 28AWG PATCH CABLE ISO/IEC 11801 S/FTP Category 7 600Mhz

LSZH *PT* pactech FlexLite STRANDED BATCH NO. RoHS

ROHS Compliant

SPECIFICATION 線材規格	ERP NO.: 料號	Product No. 工程圖號:	Date 日期:
		P-W-MM-S7X-28L-1K	
Drawing :	Check :	Approved :	J. Lai

Category 7 S/FTP Lan Cable



Category 7							
Frequency MHz	Insertion loss Stranded	Return Loss	NEXT	ACRF	Prop. Delay	PS NEXT	PS ACRF
*1	4.5	20.0	74.3	67.8	570	72.3	64.8
*10	10.8	25.0	59.3	47.8	545	57.3	44.8
*20	12.4	25.0	54.8	41.8	542	52.8	38.8
*31.25	16.5	23.6	51.9	37.9	540	49.9	34.9
*62.5	21.8	21.5	47.4	37.9	539	45.4	28.9
*100	28.5	20.1	44.3	27.8	538	42.3	24.8
*200	41.2	18.0	39.8	21.8	538	37.8	18.8
*250	46.5	17.3	38.3	19.8	536	36.3	16.8
*300	51.3	16.8	37.1	18.3	536	35.1	15.3
*400	60.6	15.9	35.3	15.8	536	33.3	12.8
*550	67.9	15.2	33.8	13.8	536	31.8	10.8
*600	75.5	14.7	32.6	12.3	536	33.9	9.3

The asterisked (*) *Values show on tables above are for reference purpose only.

ROHS Compliant

SPECIFICATION 線材規格	ERP NO.: 料號	Product No. 工程圖號:	Date 日期:
		P-W-MM-S7X-28L-1K	
Drawing :	Check :	Approved :	J. Lai