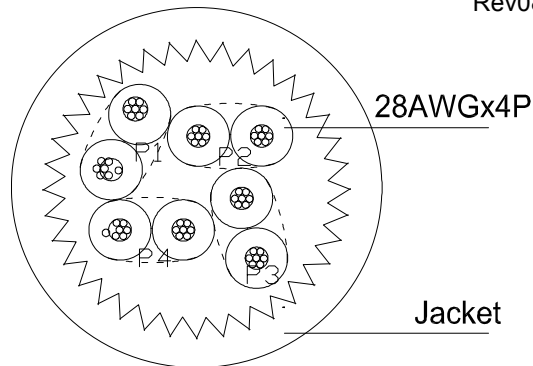


SCP PART#: C6APC-SL-XX

Rev08/23

Description:

Cat6a UTP Slim Style Patch Cable 568B -
10GBase-T Component Rated- Stranded BC,
Snagless Molded Boot, UL CM, Indoor/Outdoor Sun Res
PVC Jkt, 1ea/Bag - 10pc MstrPk



Regulatory:

UL 444, ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS Ea
Type (UL) CM or c(UL)

Application:

Networking Lan Cable

Design and Construction Data		
Item	Description	
Conductor	No. of pair	4
	Material	Bare copper wire
	Construction	7/0.127±0.008
Insulation	Material	HDPE
	Nom. Thickness	0.09
	Nom. O.D.:	0.65±0.05
	Color	Per cross-section
Jacket	Material	PVC
	Nom. Thickness	0.60
	Nom. O.D.:	3.80±0.20
	Color	Blue, White, Or
Marking	STRUCTURED CABLE PRODUCTS INC --- C6APC-SL --- CAT6A UTP SLIM PATCH CABLE 568B - -- COMPONENT RATED --- E329097 (UL) C(UL) CM 75C 4PR 28AWG (7*0.127MM) BC U/UTP --- ANSI/TIA-568.2-D & ISO/IEC 11801 CLASS EA INDOOR/OUTDOOR UV SUN RES PVC JKT	

Physical and Electrical Performance		
Electrical Performance		Requirement
Spark test for insulation (DC)	kv	2.50
Conductor resistance max. at 20	ohm/km	219.00
Characteristic impedance	ohm	100 (nom)
Propagation delay skew 20	ns/100m	≤45
DC resistance unbalance		2% Max. (IEC61156-1)
Mutual capacitance 20 C	nF/100m	≤5.6
Operation temperature		-10 C ~60 C
Operation voltage	v	75
Voltage withstand test	kV/1min	AC 1.5
Usage environment		Indoor/Outdoor

Freq. MHz	Insertion Loss	Return Loss	NEXT	PS-NEXT	ACRF	PS-ACRF
	dB Max.	dB Min.	dB Min.	dB Min.	dB Min.	dB Min.
1	2.5	20.0	74.3	72.3	67.8	64.8
4	4.6	23.0	65.3	63.3	55.8	52.8
8	6.4	24.5	60.8	58.8	49.7	46.7
10	7.1	25.0	59.3	57.3	47.8	44.8
16	9.0	25.0	56.2	54.2	43.7	40.7
20	10.1	25.0	54.8	52.8	41.8	38.8
25	11.3	24.2	53.3	51.3	39.8	36.8
31.25	12.6	23.3	51.9	49.9	37.9	34.9
62.5	18.0	20.7	47.4	45.4	31.9	28.9
100	23.0	19.0	44.3	42.3	27.8	24.8
200	33.1	16.4	39.8	37.8	21.8	18.8
250	37.3	15.6	38.3	36.3	19.8	16.8
300	41.1	14.9	37.1	35.1	18.3	15.3
400	48.1	13.8	35.3	33.3	15.8	12.8
500	54.3	13.0	33.8	31.8	13.8	10.8

Physical Performance			
UV test	300h	Unaged	Aged
	Tensile		1.41Kg/mm ² min
Elongation		100% min	85% Unaged min
Insulation	100±1°Cx48h	Unaged	Aged
	Tensile	1.68Kg/mm ² min	75% Unaged min
	Elongation	300% min	75% Unaged min
Jacket	100±1°Cx240h	Unaged	Aged
	Tensile	1.41Kg/mm ² min	85% Unaged min
	Elongation	100% min	50% Unaged min