



Structured Cable Products

Quality Installations Deserve Quality Products

Access Control Security Cable SCP Part # ACC-2

DATE:2009.09.22

Cross Section		Performance			
		Electrical Characteristics(CAT5E):			
		Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
		0.772	19.4	1.8	67.0
		1	20.0	2.0	65.3
		4	23.0	4.1	56.3
		8	24.5	5.8	51.8
		10	25.0	6.5	50.3
		16	25.0	8.2	47.3
		20	25.0	9.3	45.8
		25	24.3	10.4	44.3
		31.25	23.6	11.7	42.9
		62.5	21.5	17.0	38.4
		100	20.1	22.0	35.3
		Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	Delay Max (ns/100m)
		0.772	64.0	66.0	575.0
		1	62.3	63.8	570.0
		4	53.3	51.7	552.0
		8	48.8	45.7	546.7
		10	47.3	43.8	545.4
		16	44.3	39.7	543.0
		20	42.8	37.7	542.0
		25	41.3	35.8	541.2
		31.25	39.9	33.9	540.4
		62.5	35.4	27.8	538.6
		100	32.3	23.8	537.6
		Construction			
		Assembly Dia.(±0.1mm)	4.20		
		Jacket	PVC		
		Average Thickness(mm)	0.50		
		Min. Point Thickness(mm)	0.45		
		Outer Dia.(±0.20mm)	5.10		
		Rip Cord	Per request		
		Bundle Assembly Dia.(±0.1mm)	9.60		
		Jacket	PVC		
		Average Thickness(mm)	0.60		
		Min. Point Thickness(mm)	0.54		
		Outer Dia.(±0.20mm)	10.80		
		Rip Cord	Per request		
		Mechanical Characteristics:			
		Test Object		Jacket	
		Test Material		PVC	
		Before	Tensile Strength (Mpa)	≥13.8	
		Aging	Elongation (%)	≥100	
		Aging Condition (°Cxhrs)		100x168	
		After	Tensile Strength (Mpa)	≥85% of unaged	
		Aging	Elongation (%)	≥50% of unaged	
		Cold Bend(-20±2°Cx4hrs)		No crack	
		LAN JACKET: 2PR CAT 5E ENHANCED (UL) OR C(UL) E198134 24AWG 350MHZ CMR FT4 VERIFIED TO TIA/EIA 568B.2 STRUCTURED CABLE PRODUCTS ZONE/JACK A B C D E 0 1 2 3 4 5 6 7 8 9 ROHS ce xxxxxFT			
		SPEAKER JACKET: STRUCTURED CABLE PRODUCTS E198134-C (UL) C(UL) 2 COND 16AWG TYPE CMR/CL3R FT4 75C ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ROHS ce XXXXXXFEET			
		OUT JACKET: SCP 2P CAT5E AND 2C 16AWG HYBRID CABLE (UL) C(UL) TYPE CMR FT4 E198134 ZONE/JACK A B C D E 0 1 2 3 4 5 6 7 8 9 ROHS ce XXXXFT			
Description		Rated Temperature (°C)	75		
		Product Standard Certification			
		Flammability Test	CM		
Application					
Construction					
LAN CABLE					
Conductor		Solid Bare Copper			
AWG		24			
Conductor Dia. (mm)		0.50			
Insulation		PE			
Average Thickness(mm)		0.21			
Min. Point Thickness(mm)		0.19			
Insulation Dia.(±0.01mm)		0.91			
Twisted Pair Dia.(±0.02mm)		1.82			
Assembly Dia.(±0.1mm)		3.50			
Jacket		PVC			
Average Thickness(mm)		0.50			
Min. Point Thickness(mm)		0.45			
Outer Dia.(±0.20mm)		4.50			
Rip Cord		Per request			
SPEAKER CABLE					
Conductor		Stranded Bare Copper			
Conductor Dia. (mm)		26/0.254			
Insulation		PVC			
Insulation Dia.(±0.02mm)		2.10			
Color					
Insulation color(Cat5e)					
A:Orange--White/Orange					
B:Blue--White/Blue		Inner Jacket: Blue			
Insulation color(Speaker)					
1:Black; 2:Red;		Inner Jacket: Grey			
Outer Jacket color :		White			
Marking					