



SCP Part#: CAT5E-STR-RD-RING		Description: CAT5E STRANDED 350 MHz 24 AWG UTP, PVC JKT- RED- 100 M RING/COIL PK	
Edition A1	Est. Date 2012/12/07	Rev Date 2013/06/19	
Approval Handle	Checked Dean	Finish Simon	

Standard:

UL444 □ ISO/IEC11801 & TIA/EIA-568-C.2 CAT5e

Application:

ULTRA HIGH PERFORMANCE LAN CABLE ARE SUITABLE FOR PERFECT AUDIO DATA AND VIDEO OF TRANSFER FOR NETWORK

Construction Characters:

Conductor	Material	Stranded Bare Copper
	Size	24AWG X 4P
	Construction	7C/0.20±0.005mm
Insulation	Material	HDPE
	Min. Thickness	0.20mm
	AVG. Thickness	0.21mm
	Diameter	0.93±0.01mm
	Colors	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Jacket	Material	LS FR-PVC
	AVG. Thickness	0.50mm
	Min. Thickness	0.55mm
	Diameter	5.30±0.10mm
	Colors	Blue

Electrical & Physical Characters:

rating	75°C 30V		
Conductor Resistance	Max 92.8ohm/km at 20°C		
Dielectric Strength	Min AC1.5KV		
Spark Test	2.5KV		
AC Leakage Current Through overall Jacket	AC 1500V ≤10mA		
Insulation	Unaged	Tensile Strength	2500psi
		Elongation	200%
	Aged	Tensile Strength	2200psi(100°C 48h)
		Elongation	180%(100°C 48h)
Jacket	Unaged	Tensile Strength	2500psi
		Elongation	200%
	Aged	Tensile Strength	2200psi(100°C 48h)
		Elongation	75%(100°C 48h)
Cold Bend Test	-20°C 4hours No Cracking		
DC Resistance Unbalance	Max 5%		
Pair-to-Ground Capacitance Unbalance	Max 3300pF/km		
Characteristic Impedance	1~100MHZ 100±15OHM		
Structural Return Loss	100MHZ Min 8.6dB		
Propagation Delay	100MHZ Max 536ns/100m		
Delay Skew	1~100MHZ Max 30ns/100m		
Insulation Shrink back	150mm 121±1°C HR ≤ 9.5mm		
Flame Retardeant Test	CMR		

Packaging:

Approx. Weight(kg)	9
Approx. Dimensions	46*36*36
package	1000 ft/ Box
Packages per Pallet	45

Marking:



Structured Cable Products

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Performance

ITEM Frequency	Attention Max (dB/100m)	NEXT Min (dB)	ACR Min (dB)	PS NEXT Min (dB)	PS ACR Min (dB)	ELFEXT Min (dB/100m)	PS ELFEXT Min (dB)	RL Min (dB)
1	2.0	75.3	73.3	73.3	71.3	67.8	64.8	20.0
4	3.8	66.3	62.5	64.3	60.5	55.7	52.7	23.0
8	5.4	61.8	56.4	59.8	54.4	49.7	46.7	24.5
10	6.0	60.3	54.3	58.3	52.3	47.8	44.8	25.0
16	7.6	57.3	49.7	55.3	47.7	43.7	40.7	25.0
20	8.5	55.8	47.3	53.8	45.3	41.7	38.7	25.0
25	9.6	54.3	44.8	52.3	42.7	39.8	36.8	24.3
31.25	10.7	52.9	42.2	50.9	40.2	37.9	34.9	23.6
62.5	15.5	48.4	32.9	46.4	30.9	31.8	28.8	21.5
100	19.9	45.3	25.4	43.3	23.4	27.8	24.8	20.1