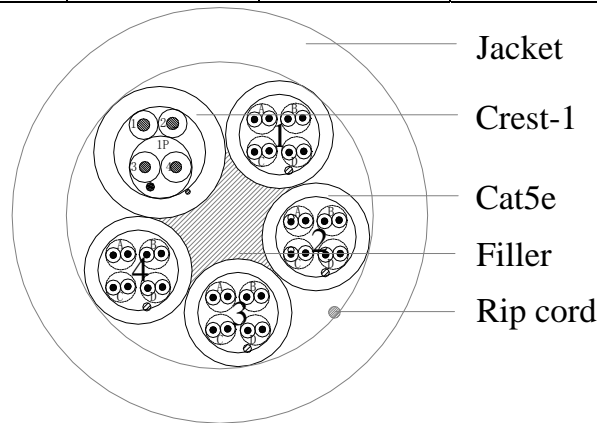




PRODUCT SPECIFICATIONS

PART#: CREST-4		DESCRIPTION: CREST-1 + 4x CAT5E 24 AWG 4PR UTP, PVC JKT- TEAL- 500 FT SPOOL			
Edition	A	Established	2013/07/23	Revised	
Approval	Richard	Checked	John	Finish	Leo



Standard: UL 444 & UL 13, NEC Article 760 & NEC Article 725

Application: SCP Crest-4 cable bundles four (4) high-quality Cat5e 350 Mhz UTP with our Crest-1 control cable... all under a single jacket. Compare to Crestron's Crescat® Q-NP cable. This cable facilitates fast and easy wiring for Crestron® Cat5-based AV distribution and intercom systems, switchers, room solution boxes, intercoms, and touch panels. SCP's bundled Crest series cables are designed to provide a single cable solution for wiring of Crestron media systems.

Construction Characteristics:

Conductor (CREST-1)	Material	Stranded Bare Copper
	Size	18AWG X 2C
	Construction	16/0.254±0.004mm
Insulation	Material	PVC
	Min. Thickness	0.24mm
	AVG. Thickness	0.27mm
	Diameter	1.70±0.05mm
	Colors	Black & Red
Conductor	Material	Stranded Bare Copper
	Size	22AWG X 2C
	Construction	7/0.254±0.004mm
Insulation	Material	FPE

	Min. Thickness	0.56mm
	AVG. Thickness	0.62mm
	Diameter	2.00±0.05mm
	Colors	Blue & White
Shield	Drain wire(TC)	7/0.20±0.004mm
	Shield	AL Foil
Assembly(2C+1P)	Core wrap	PE Tape
Jacket	Material	PVC
	AVG. Thickness	0.75mm
	Min. Thickness	0.67mm
	Diameter	6.35±0.10mm
	Rip Cord	Nylon
	Colors	Teal
Conductor (CAT5E)	Material	Solid Bare Copper
	Size	24AWG X 4P
	Construction	1/0.50±0.004mm
Insulation	Material	HDPE
	Min. Thickness	0.188mm
	AVG. Thickness	0.205mm
	Diameter	0.91±0.01mm
	Colors	Blue-White/Blue
		Orange-White/Orange
		Green-White/Green
Brown-White/Brown		
Jacket	Material	PVC
	AVG. Thickness	0.60mm
	Min. Thickness	0.54mm
	Diameter	5.10±0.10mm
	Colors	Red & White & Green & Blue
	Rip Cord	Nylon
Assembly	Filler	PP
	1CREST-1+4CAT5e	14.80±0.20mm
Jacket	Material	PVC
	AVG. Thickness	0.75mm
	Min. Thickness	0.70mm
	Diameter	16.50±0.20mm
	Colors	Per request
	Rip Cord	Nylon

Electrical & Physical Characteristics - (CREST-1)

rating		75°C 300V	
Conductor Resistance(18AWG)		Max 22.8ohm/km at 20°C	
Conductor Resistance(22AWG)		Max 53.5ohm/km at 20°C	
Dielectric Strength		Min AC1.5KV	
AC Leakage Current Through overall Jacket		AC 1500V \leq 10mA	
Twists per foot		3.0	
Insulation PVC	Unaged	Tensile Strength	13.8 Mpa
		Elongation	150%
	Aged	Tensile Strength	11.7 Mpa(100°C 168h)
		Elongation	80%(100°C 168h)
Jacket	Unaged	Tensile Strength	13.8 Mpa
		Elongation	150%
	Aged	Tensile Strength	11.7 Mpa(100°C 168h)
		Elongation	80%(100°C 168h)
Cold Bend Test		-20°C 4hours No Cracking	
Marking: STRUCTURED CABLE PRODUCTS --- P/N CREST-1 --- 2C/22 AWG BC STRANDED SHIELDED W/DRAIN + 2C/18 AWG BC STRANDED CMR FT4 75C -- (UL) OR C(UL) E198137 CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 XXXXFEET			

Electrical & Physical Characteristics - (CAT5e)

rating		75°C 30V	
Conductor Resistance		Max 93.8ohm/km at 20°C	
Dielectric Strength		Min AC1.5KV	
Spark Test		5.0KV	
AC Leakage Current Through overall Jacket		AC 1500V \leq 10mA	
Insulation	Unaged	Tensile Strength	16.5 Mpa
		Elongation	500%
	Aged	Tensile Strength	14.2 Mpa(100°C 168h)
		Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strength	13.8 Mpa
		Elongation	150%
	Aged	Tensile Strength	11.7 Mpa(100°C 168h)
		Elongation	80%(100°C 168h)
Cold Bend Test		-20°C 4hours No Cracking	
DC Resistance Unbalance		Max 5%	
Pair-to-Ground Capacitance Unbalance		Max 3300pF/km	

Characteristic Impedance	1~350MHZ 100±15OHM
Nominal Velocity of Propagation (%)	67~69
Propagation Delay	350MHZ Max 536ns/100m
Delay Skew	1~350MHZ Max 45ns/100m
Marking:	
STRUCTURED CABLE PRODUCTS --- P/N CAT5E --- CAT5E ENHANCED	
350 MHz 4 PR 24 AWG UTP VERIFIED TO ANSI/TIA-568-C.2 CMR FT4 75C	
-- (UL) OR C(UL) E198134 CE EU RoHS EC ZONE/DEVICE A B C D E 0	
1 2 3 4 5 6 7 8 9 XXXXFEET	

Performance-1

ITEM Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	2.0	2.0	65.3	80	62.3	79.0	63.3	78.0
4	4.1	3.7	56.3	67.1	53.3	65.7	52.2	63.4
8	5.8	5.2	51.8	65.5	48.8	62.5	46.0	60.3
10	6.5	5.9	50.3	62.1	47.3	59.7	43.8	56.2
16	8.2	7.4	47.2	57.9	44.2	56.3	39.0	50.5
20	9.3	8.2	45.8	57.6	42.8	54.7	36.5	49.4
25	10.4	9.2	44.3	54.3	41.3	51.7	33.9	45.1
31.25	11.7	10.3	42.9	54.7	39.9	52	31.2	44.4
62.5	17.0	14.6	38.4	49.4	35.4	46.7	21.4	34.8
100	22.0	18.6	35.3	42.5	32.3	41.7	13.3	23.9
155	28.1	22.9	32.4	48.8	29.4	45.7	4.3	25.9
200	32.4	25.7	30.8	42.3	27.8	38.9	---	---
300	41.0	31.6	28.1	39.7	25.1	35.8	---	---
350	44.9	34.3	27.1	44	24.1	34.2	---	---

Performance-2

ITEM Frequency	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		PSACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	20.0	24.1	63.8	76.2	60.8	73.2	60.3	77.0
4	23.0	25.2	51.8	61.2	48.8	59.5	49.2	62.0
8	24.5	25.7	45.7	52.2	42.7	51.5	43.0	57.3
10	25.0	27.1	43.8	50.8	40.8	50.5	40.8	53.8
16	25.0	26.2	39.7	47.7	36.7	45.5	36.0	48.9

20	25.0	26.1	37.8	47.9	34.8	46.4	33.5	46.5
25	24.3	26.4	35.8	48.7	32.8	45.9	30.9	42.5
31.25	23.6	24.6	33.9	43.9	30.9	41.1	28.2	41.7
62.5	21.5	24.0	27.8	34.4	24.8	34.0	18.4	32.1
100	20.1	22.8	23.8	29.0	20.8	27.9	10.3	23.1
155	18.8	26.5	20.0	33.6	17.0	26.3	1.3	22.8
200	18.0	28.1	17.7	27.8	14.7	23.2	---	---
300	16.8	26.3	14.2	35.7	11.2	23.9	---	---
350	16.3	28.5	12.9	31.6	9.9	21.3	---	---

Marking:

STRUCTURED CABLE PRODUCTS --- P/N CREST-4 --- 4x CAT5E
 ENHANCED 350MHZ 24 AWG UTP + 2C/22 AWG BC STRANDED SHIELDED
 W/DRAIN + 2C/18 AWG BC STRANDED - BUNDLED CMR FT4 75C -- (UL)
 OR C(UL) E198134 CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7
 8 9 XXXXFEET

Packaging:

Approx. Weight(kg)	Approx. Dimension(mm)	package	Packages per Pallet
40.65	480X350X200X15	500 ft/Spool	12/8