SCP Structured Cable Products™
Quality Installations Deserve Quality Products

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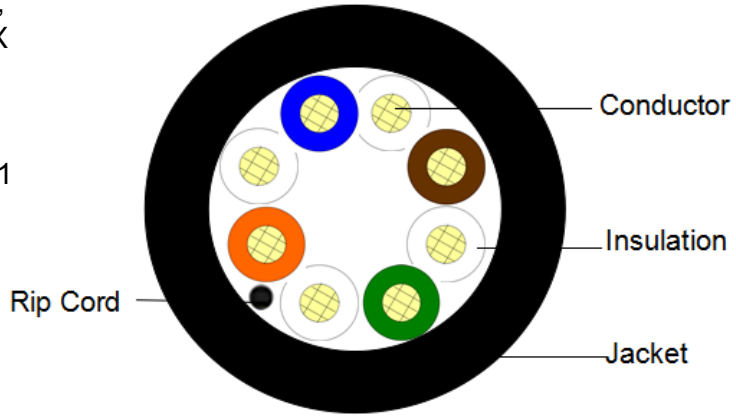
SCP PART#: CAT5E-STR

Description:

CAT5E Stranded- 350 MHz 24 AWG (7x0.20mm),
BC 4PR U/UTP, PVC JKT- - 1000 FT / 305 M BOX



Regulatory:

UL: UL 444, TIA/EIA 568-C.2 and ISO/IEC 11801
Type (UL) CMR of c(UL) FT4
EU Rohs 2011/65 EU Compliant
EN50575:2014 Reaction to fire Class Eca

Application:

Networking LAN Cable
Ultra High Performance LAN cable are suitable for perfect audio data and video of transfer for network

Construction Characteristics:

Conductor	Material	Stranded Bare Copper
	Size	24AWG X 4P
	Construction	7/0.20mm +/-0.005mm
Insulation	Material	HDPE
	Min.Thickness	0.20mm
	AVG.Thickness	0.21mm
	Diameter	0.93mm +/-0.1mm
	Colors	Bllue-White/Blue
		Orange-White/Orange
		Green-White/Green
		Brown-White/Brown
Jacket	Material	LS FR-PVC
	Min.Thickness	0.50mm
	AVG.Thickness	0.55mm
	Diameter	5.30mm +/-0.10mm
	Rip Cord	Nylon
	Color	Bk, BL, or RD
Bend Radius		Min 15D/80mm

Electrical & Physical Characteristics:

Operating Temperature Range			- 20°C + 75°C
Minimum Installation Temperature			0°C + 40°C
Conductor Resistance			Max 92.8 ohm/km at 20°C
Dielectric Strength			Min AC1.5KV
Spark Test			2.5KV
Insulation	Unaged	Tensile Strenght	16.5Mpa
		Elongation	500%
	Aged	Tensile Strenght	14.2Mpa(100°C 168h)
		Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strenght	13.8Mpa
		Elongation	100%
	Aged	Tensile Strenght	11.7Mpa(100°C 168h)
		Elongation	50%(100°C 168h)
Rated Voltage			Max 300Volts
DC Resisitance Unbalance			Max 5%
Pair-to-Ground Capacitance Unbalance			Max 3300pF/km
Characteristic Impedance			100+/-15OHM
Nominal Velocity of Propagation(%)			67~69
Propagation Delay			Max 536ns/100m
Delay Skew			Max 45ns/100m

Marking:

STRUCTURED CABLE PRODUCTS --- CAT5E STRANDED --- ENHANCED 350MHz UTP ANSI/TIA-568-C.2 ISO/IEC 11801 CLASS D E198134 SCP3 (UL) C(UL) CMR 4PR 24AWG STR BC - EN50575:2014 CE Eca PVC JKT FT4 75C EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ...XXXM

Packaging:

Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
11kgs/24.25lbs	350X260X350	1000ft/ Box	36

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	2	75.3	80	73.3	79	73.3	78
4	3.8	3.7	66.3	67.1	64.3	65.7	62.5	63.4
8	5.4	5.2	61.8	65.5	59.8	62.5	56.4	60.3
10	6	5.9	60.3	62.1	58.3	59.7	54.3	56.2
16	7.6	7.4	57.3	57.9	55.3	56.3	49.7	50.5
20	8.5	8.2	55.8	57.6	53.8	54.7	47.3	49.4
25	9.6	9.2	54.3	54.3	52.3	51.7	44.8	45.1
31.25	10.7	10.3	52.9	54.7	50.9	52	42.2	44.4
62.5	15.5	14.6	48.4	49.4	46.4	46.7	32.9	34.8
100	19.9	18.6	45.3	42.5	43.3	41.7	25.4	23.9

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	24.1	67.8	76.2	64.8	73.2	71.3	77
4	23	25.2	55.7	61.2	52.7	59.5	60.5	62
8	24.5	25.7	49.7	52.2	46.7	51.5	54.4	57.3
10	25	27.1	47.8	50.8	44.8	50.5	52.3	53.8
16	25	26.2	43.7	47.7	40.7	45.5	47.7	48.9
20	25	26.1	41.7	47.9	38.7	46.4	45.3	46.5
25	24.3	26.4	39.8	48.7	36.8	45.9	42.7	42.5
31.25	23.6	24.6	37.9	43.9	34.9	41.1	40.2	41.7
62.5	21.5	24	31.8	34.4	28.8	34	30.9	32.1
100	20.1	22.8	27.8	29	24.8	27.9	23.4	23.1