SCP Structured Cable Products®
Quality Installations Deserve Quality Products

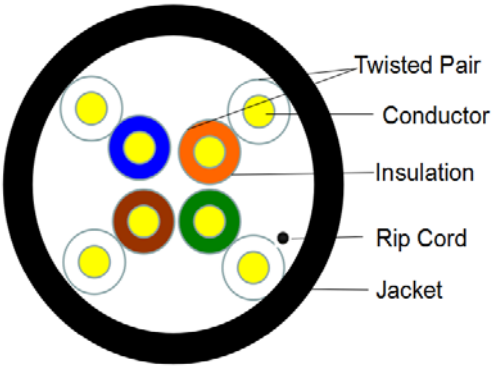
www.scpcat5e.com
sales@scpcat5e.com
Direct: 954-327-5770
Toll Free: 866-470-5742

SCP PART#: CAT5E-BL-D

Rev03/20

Description:

Dca RATED - ENHANCED 350 MHz 24 AWG SOLID BC 4PR, UTP, ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS D, UL CMR, EN50575:2014 Dca-s3,d2,a3 PVC JKT- BLUE



Regulatory:

UL 444, ANSI/TIA 568.2-D and ISO/IEC 11801 Class D
Type (UL) CMR or c(UL) FT4
EU RoHS 2011/65 EU Compliant
EN50575:2014 Reaction to fire Class Dca-s3,d2,a3

Application:

Networking Lan Cable

Construction Characteristics:

Conductor	Material	Solid Bare Copper
	Size	24AWG X 4P
	Construction	1/0.49+/-0.004mm
Insulation	Material	HDPE
	Min.Thickness	0.188mm
	AVG.Thickness	0.205mm
	Diameter	0.9+/-0.01mm
	Colors	Blue- White/Blue
		Orange-White/Orange
		Green-White/Green
		Brown-White/Brown
Jacket	Material	PVC
	Min.Thickness	0.54mm
	AVG.Thickness	0.60mm
	Diameter	5.10+/-0.10mm
	Rip Cord	Nylon
	Color	Per request
Bend Radius		Min 20D/105mm

Electrical & Physical Characteristics:

Operating Temperature Range			- 20°C + 75°C
Conductor Resistance			Max 93.8 ohm/km at 20°C
Dielectric Strength			Min AC1.5KV
Insulation	Unaged	Tensile Strength	16.5Mpa
		Elongation	500%
	Aged	Tensile Strength	14.2Mpa(100°C 168h)
		Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strength	13.8Mpa
		Elongation	100%
	Aged	Tensile Strength	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--- CAT5E ENHANCED 350 MHz UTP ANSI/TIA 568.2-D ISO/IEC 11801 ED2 CLASS D E198134 SCP3 (UL) C(UL) CMR 4PR 24AWG SOL BC - EN50575:2014 CE Dca PVC JKT FT4 75C EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***FEET

Packaging:

Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
9.7kgs/21.385lbs	350X260X350	1000ft/305m 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	65.3	80	62.3	79	63.3	78
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	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	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	14.6	38.4	49.4	35.4	46.7	21.4	34.8
100	22	18.6	35.3	42.5	32.3	41.7	23.3	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	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	24.1	63.8	76.2	60.8	73.2	60.3	77
4	23	25.2	51.8	61.2	48.8	59.5	49.2	62
8	24.5	25.7	45.7	52.2	42.7	51.5	43	57.3
10	25	27.1	43.8	50.8	40.8	50.5	40.8	53.8
16	25	26.2	39.7	47.7	36.7	45.5	36	48.9
20	25	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	27.8	34.4	24.8	34	18.4	32.1
100	20.1	22.8	23.8	29	20.8	27.9	10.3	23.1
155	18.8	26.5	20	33.6	17	26.3	1.3	22.8
200	18	28.1	1.7	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	– – –	– – –