

SCP PART#: CAT6-ECO-XX

Description:

CAT6 250+Mhz 24awg Solid BC 4PR, UTP, ETL CMR, ANSI/TIA-568.2-D, IEEE 802.3at PoE 30W (Type 2), RoHS, PVC Jkt - 1000ft Box

Regulatory:

ANSI/TIA 568.2-D,
ISO/IEC 11801 CLASS E
CMR ETL
EU RoHS 2011/65 EU Compliant
IEEE 802.3at PoE 30W (Type 2)

Application: Networking Lan Cable

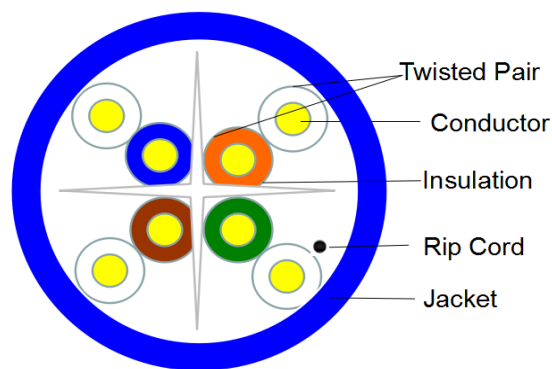
Low Voltage Cable -Telecommunication
power limited

Part Number:

CAT6-ECO-BL
CAT6-ECO-WT

Jacket Color:

Blue
White



Construction Characteristics:

Conductor	Material	Solid Bare Copper
	Size	24AWG X 4P
Insulation	Material	HDPE
	Min.Thickness	0.200mm
	AVG.Thickness	0.220mm
	Diameter	1.0+/-0.02mm
	Colors	Blue- White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Separator	Spline	Yes
Jacket	Material	PVC
	Min.Thickness	0.46mm
	AVG.Thickness	0.52mm
	Diameter	6.10+/-0.20mm
	Rip Cord	Nylon
Bend Radius	Color	Per request
		Min 20D/120mm

Electrical & Physical Characteristics:

Operating Temperature Range	- 20°C +75°C
Installation Temperature	0°C + 40°C
Conductor Resistance	Max 90ohm/km at 20°C
Dielectric Strength	Min AC1.5KV
Spark Test	5.0KV
Rated Voltage Insulated/Operating	Max 300V/80V
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 Inc ---- CAT6-ECO ---- CAT6 250+ MHz 24 AWG ETL Listed 5015458 (ETL) C(ETL) CMR FT4 75C
24AWG SOL BC 4PR UTP ANSI/TIA 568.2-D PVC JKT RoHS ZONE/DEVICE A B C D E 1 2 3 4 5 6 7 8 9 **** FEET
DDMMYY

Packaging:

Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
13kgs/28.6lbs	400X290X400	1000FT/Box	36/24

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	2.03	1.9	74.3	80.3	72.3	76.6	72.3	78.4
4	3.8	3.7	65.3	75.6	63.3	74.2	61.5	71.9
8	5.32	5.1	60.8	66	58.8	65.1	55.5	60.9
10	6	5.8	59.3	67.6	57.3	65.9	53.3	61.8
16	7.6	7.4	56.2	70.8	54.2	67.2	48.6	63.4
20	8.5	8.2	54.8	71.9	52.8	69.1	46.3	63.7
25	9.5	9.1	53.3	62.3	51.3	60.8	43.8	53.2
31.25	10.7	9.9	51.9	68.7	49.9	67.1	41.2	58.8
62.5	15.4	15	47.4	59.6	45.4	58.3	32	44.6
100	19.8	18.8	44.3	60	42.3	58	24.5	41.2
200	29	27.4	39.8	57.5	37.8	56	10.8	30.1
250	32.8	29.4	38.3	55.8	36.3	54.1	5.5	26.4

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	23.6	67.8	75.6	64.8	73.3	70.3	74.7
4	23	23.9	55.8	61.3	52.8	60.1	59.5	70.5
8	24.5	30	49.7	55.7	46.7	54.8	53.5	60
10	25	28.5	47.8	55.2	44.8	53.2	51.3	60.1
16	25	28.2	43.7	49.7	40.7	48.1	46.6	59.8
20	25	27.8	41.8	48.1	38.8	46.2	44.3	60.9
25	24.3	27.5	39.8	45.9	36.8	45	41.8	51.7
31.25	23.6	24.9	37.9	42.7	34.9	41.7	39.2	57.2
62.5	21.5	24.1	31.9	39.4	28.9	37.4	30	43.3
100	20.1	23.5	27.8	35	24.8	33.2	22.5	39.2
200	18	23.2	21.8	32.8	18.8	30.2	8.8	28.6
250	17.3	21.5	19.8	30.7	16.8	27.7	3.5	24.7