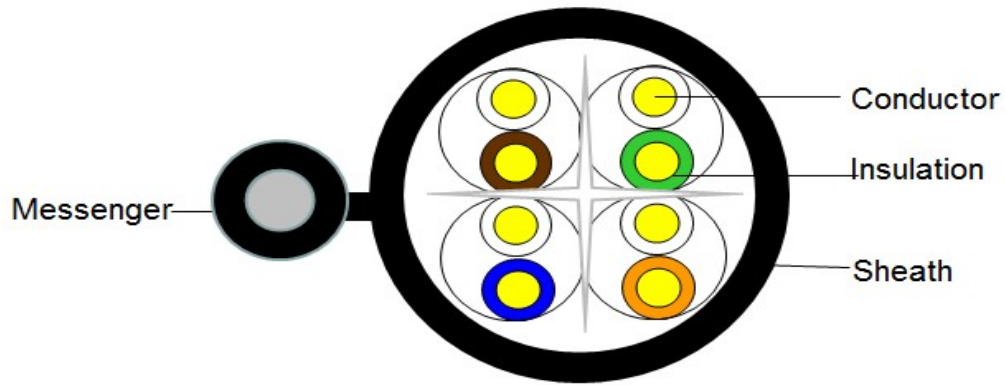


SCP PART#: CAT6-AER



Regulatory EU RoHS 2011/65 EU Compliant

Application: Lan Cable

Construction Characteristics:

Conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.55+/-0.005mm
Insulation	Material	HDPE
	Min.Thickness	0.200mm
	AVG.Thickness	0.220mm
	Diameter	1.03+/-0.01mm
	Colors	Blue- White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Sheath	Material	LLDPE
	Thickness	0.70+/-0.05mm
	U.V Stability	U.V Resistant
	Diameter	6.5+/-0.40mm
	Rip Cord	Nylon
	Color	Black
Messenger		
Conductor	Material	Galvanize Steel
	Construction	1/1.30+/-0.01mm
Sheath	Material	LLDPE
	AVG.Thickness	0.65mm
	Diameter	2.6+/-0.10mm
	Color	BLACK
Assembly(CAT6+Messenger) : With "8"		

Electrical & Physical Characteristics:

Operating Temperature Range	- 20°C +70°C
Conductor Resistance	Max 72.2ohm/km at 20°C
Dielectric Strength	Min AC1.5KV
Spark Test	5.0KV
DC Resisitance Unbalance	Max 5%
Pair-to-Ground Capacitance Unbalance	Max 3300pF/km
Characteristic Impedance	100+/-150HM
Nominal Velocity of Propagation(%)	67~69
Propagation Delay	Max 536ns/100m
Delay Skew	Max 45ns/100m

Performance

ITEM Frequency	Attenuatio n Max (dB)	NEXT Min (dB)	PS NEXT Min (dB)	ACR Min (dB)	RL Min (dB)	ELFEXT Min (dB)	PS ELFEXT Min (dB)	PSACR Min (dB)
1	2	74.3	72.3	72.3	20	67.8	64.8	70.3
4	3.8	65.3	63.3	61.5	23	55.8	52.8	59.5
8	5.3	60.8	58.8	55.5	24.5	49.7	46.7	53.5
10	6	59.3	57.3	53.3	25	47.8	44.8	51.3
16	7.6	56.2	54.2	48.6	25	43.7	40.7	46.6
20	8.5	54.8	52.8	46.3	25	41.8	38.8	44.3
25	9.5	53.3	51.3	43.8	24.3	39.8	36.8	41.8
31.25	10.7	51.9	49.9	41.2	23.6	37.9	34.9	39.2
62.5	15.4	47.4	45.4	32	21.5	31.9	28.9	30
100	19.8	44.3	42.3	24.5	20.1	27.8	24.8	22.5
200	29	39.8	37.8	10.8	18	21.8	18.8	8.8
250	32.8	38.3	36.3	5.5	17.3	19.8	16.8	3.5
300	36.4	37.1	35.1	0.7	16.8	18.3	15.3	---
400	43	35.3	33.3	---	15.9	15.8	12.8	---
500	48.9	33.8	31.8	---	15.2	13.8	10.8	---