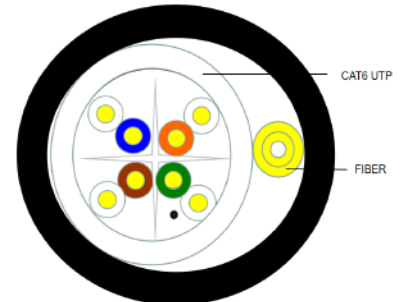


SCP PART#: HNC-EF-1

Description

Copper/Fiber Composite - (1) Cat6 UTP UL CMR (White) +
 (1) Simplex OS2 SCP EasyFiber w/Corning SMF-28 Ultra, UL OFNR (Yellow),
 Black Overall Jacket -1000ft/305m Spool



Regulatory

UL 444 ANSI/TIA 568.2-D and ISO/IEC 11801
 Type (UL) CM,CMG
 EU RoHS 2011/65 EU Compliant

Application: BUNDLE CABLE

Construction Characteristics:

Conductor(1*CAT6)	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.57+/-0.005mm
Insulation	Material	HDPE
	Min.Thickness	0.200mm
	AVG.Thickness	0.220mm
	Diameter	1.03+/-0.10mm
	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	6.20+/-0.20mm
	Rip Cord	Nylon
Conductor(1*Fiber)	Count	1
	Type	Corning SMF-28@Ultra
	OD(mm)	1.9±0.1
	Color	YELLOW – Pantone 114C
	Material	UL PVC - OFNR
Assembly1*CAT6 UTP+1*FIBER)		
Jacket	Material	PVC
	Min.Thickness	0.60mm
	AVG.Thickness	0.70mm
	Diameter	9.6*7.6+/-2.0mm
	Rip Cord	Nylon
	Colors	Black
Bend radius	Min 20D/380mm	

Marking:

STRUCTURED CABLE PRODUCTS --- HNC-EF-1 --- E198134 SCP3 (UL) C(UL) CM -----1*CAT6 UTP +1*SIMPLEX OS2
 SCP-EASYFIBER PVC JKT RoHS ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***FEET DDMMYY

Packaging:

Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
30 kg	500*250*250	1000ft/Spool	12/16

Electrical & Physical Characteristics: (CAT6)

Operating Temperature Range	- 20°C +75°C
Dielectric Strength	Min AC1.5KV
Spark Test	5.0KV
Rated Voltage	Max 300Volts
DC Resisitance Unbalance	Max 5%
Pair-to-Ground Capacitance Unbalance	Max 330pF/100m
Nominal Velocity of Propagation(%)	66
Delay Skew	Max 45ns/100m

Performance-1

ITEM Frequenc	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	2	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	5.3	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
300	36.4	33.3	37.1	54.2	35.1	53.4	0.7	20.9
400	43	38.6	35.3	53.8	33.3	52.1	---	---
500	48.9	43.9	33.8	51	31.8	49.3	---	---

Performance-2

ITEM Frequenc	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
300	16.8	20.8	18.3	26.5	15.3	25.4	---	---
400	15.9	18.9	15.8	23.4	12.8	22.1	---	---
500	15.2	18.6	13.8	19.5	10.8	18.7	---	---