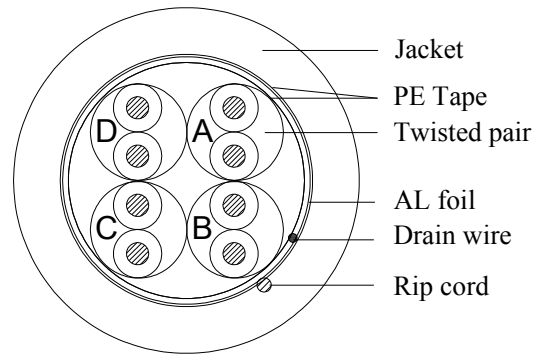


PRODUCT SPECIFICATIONS

PART#: HNCPRO-SH-LSZH		DESCRIPTION: HOME NETWORK CABLE PROFESSIONAL -SHIELDED ENHANCED 350 MHz 24 AWG 4PR FTP, LOW SMOKE ZERO HALOGEN, VERIFIED TO ANSI/TIA-568-C.2			
Edition	A	Established Date	2012/12/14	Rev Date	2013/06/25
Approval	Richard	Checked	John	Finish	Leo



Standard:

UL 444 、 ANSI/TIA-568-C.2 & ISO/IEC 11801

Application:

Lan Cable

Construction Characters:

Conductor	Material	Solid Bare Copper
	Size	24AWG X 4P
	Construction	1/0.515±0.004mm
Insulation	Material	HDPE
	Min. Thickness	0.210mm
	AVG. Thickness	0.228mm
	Diameter	0.97±0.01mm
	Colors	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Shield	Core wrap	PE Tape
	Drain wire	1/0.40±0.004mm
	Shield	AL Foil
	Core wrap	PE Tape
Jacket	Material	LSZH
	AVG. Thickness	0.60mm
	Min. Thickness	0.54mm
	Diameter	6.15±0.10mm
	Rip Cord	Nylon
	Colors	Per request

Electrical & Physical Characters

rating	75°C 30V
Conductor Resistance	Max 86.5ohm/km at 20°C
Dielectric Strength	Min AC1.5KV
Spark Test	5.0KV

PRODUCT SPECIFICATIONS

AC Leakage Current Through overall Jacket		AC 1500V \leq 10mA	
Insulation	Unaged	Tensile Strength	16.5 Mpa
		Elongation	500%
	Aged	Tensile Strength	14.2 Mpa(100°C 168h)
		Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strength	13.8 Mpa
		Elongation	150%
	Aged	Tensile Strength	11.7 Mpa(100°C 168h)
		Elongation	80%(100°C 168h)
Cold Bend Test		-20°C 4hours No Cracking	
DC Resistance Unbalance		Max 5%	
Pair-to-Ground Capacitance Unbalance		Max 3300pF/km	
Characteristic Impedance		1~350MHZ 100 \pm 15OHM	
Propagation Delay		350MHZ Max 536ns/100m	
Delay Skew		1~350MHZ Max 45ns/100m	
Marking:			
STRUCTURED CABLE PRODUCTS - HOME NETWORK CABLE PRO™ - P/N HNCPRO-SH-LSZH - ENHANCED 350MHZ 24AWG 4PR FTP SHIELDED LOW SMOKE ZERO HALOGEN CMR FT4 75C VERIFIED TO ANSI/TIA-568-C.2 (UL) OR C(UL) E198134 ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ROHS ce xxxXM			
Packaging:			
Approx. Weight(kg)	Approx. Dimension(mm)	package	Packages per Pallet
13.60	370X280X400	1000 ft/Box	36/24

Performance

ITEM	Attention	NEXT	PS NEXT	RL	ELFEXT	PS ELFEXT	ACR
Frequency	Max (dB/100m)	Min (dB)	Min (dB)	Min (dB)	Min (dB)	Min (dB)	Min (dB)
1	2.0	68.3	66.3	20.0	63.8	60.8	66.3
4	4.1	59.3	57.3	23.0	51.7	48.7	55.2
8	5.8	54.8	52.8	24.5	45.7	42.7	49.0
10	6.5	53.3	51.3	25.0	43.8	40.8	46.8
16	8.2	50.3	48.3	25.0	39.7	36.7	42.1
20	9.3	48.8	46.8	25.0	37.8	34.8	39.5
25	10.4	47.3	45.3	24.3	35.8	32.8	36.9
31.25	11.7	45.9	43.9	23.6	33.9	30.9	34.2
62.5	17.0	41.4	39.4	21.5	27.8	24.8	24.4
100	22.0	38.3	36.3	20.1	24.0	21.0	16.3
155	28.1	35.5	33.5	18.8	20.0	17.0	7.4
200	32.4	33.8	31.8	18.0	17.7	14.7	1.4
300	41.0	31.2	29.2	16.8	14.2	11.2	---
350	44.9	30.1	28.1	16.3	12.9	9.9	---