

CERTECH 305M Cat6A S/FTP Solid Cable Roll, LSZH Jacket

NCC6ASHLSZXX

DESCRIPTION

- 305m Cat6A S/FTP Solid Cable Roll 650MHz
- 100% Bare Copper Cable
- 23AWGx4P
- LSZH Jacket
- AS/CA S008:2010 Approved
- 4K UHD Ready



GECA
CERTIFIED

MODEL	DESCRIPTION	SIZE	COLOUR
NCC6ASHLSZHBLUE	305M Cat6A S/FTP Solid Cable Roll, Blue LSZH Jacket	305m	BLUE
NCC6ASHLSZHGREY	305M Cat6A S/FTP Solid Cable Roll, Grey LSZH Jacket	305m	GREY
NCC6ASHLSZHPURPLE	305M Cat6A S/FTP Solid Cable Roll, Purple LSZH Jacket	305m	PURPLE
NCC6ASHLSZHYELLOW	305M Cat6A S/FTP Solid Cable Roll, Yellow LSZH Jacket	305m	YELLOW

NCC6ASHLSZXX

STANDARD COMPLIANCES:

All proposed Category 6A requirements as per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards: ANSI/TIA/EIA 568-B.2-1 CAT6A, ISO/IEC 11801 CLASS E, 2nd Edition, IEC 61156-6, CENELEC EN 50173-1 CENELEC EN 50288-5-1, CENELEC EN 50288-5-2
Flame Retardancy is verified according to IEC 60332-1-2. We implemented RoHS compliance for the requirement of European Union issued Directive 2002/95/EC

CONSTRUCTION & CHARACTERISTICS:

MODEL CODE	NCC6ASHLSZHBLUE, NCC6ASHLSZHGREY, NCC6ASHLSZHPURPLE, NCC6ASHLSZHYELLOW			
Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.560	Up	+0.005
			Down	-0.005
Insulation	Material	Skin-Foam-Skin PE		
	Diameter	1.330 ± 0.05mm		
Colour	A. White, Blue	B. White, Orange		
	C. White, Green	D. White, Brown		
Rip-cord	Yes	Drain Wire		Yes
Sheath	Thickness	0.55 ± 0.05mm		
	External O.D.	7.5 ± 0.5mm		
	Surface	Clean		
	Material	LSZH		
	Colour	Blue, Grey, Purple and Yellow (According to Model Code)		
Sheath Physical Properties	Before Aging	Tensile Strength(Mpa)≥13.5 / Elongation(%)≥150		
	Aging Period(°C x hrs)	100°C x 24h x 7d		
	After Aging	Tensile Strength(Mpa)≥12.5 / Elongation(%)≥125		
	Cold Blend (-20± 2°Cx4h)	No visible cracks		
Electrical Characteristics (20°C)	Velocity of Propagation (%)		74	
	1.0-250.0MHz, Delay Shew (ns/100m)		≤45	
	Unbalanced-to-Ground Capacitance (pf/100m) max		330	
	DC Resistance (Ω/100m) max		9.38	
	DC Conductor Resistance Unbalance (%)max		2.0	

APPROVALS:

ETL/3P Certified ANSI/TIA/EIA-568-B.2-1 Category 6A Testing Safety/Performance requirements.

NCC6ASHLSZXX

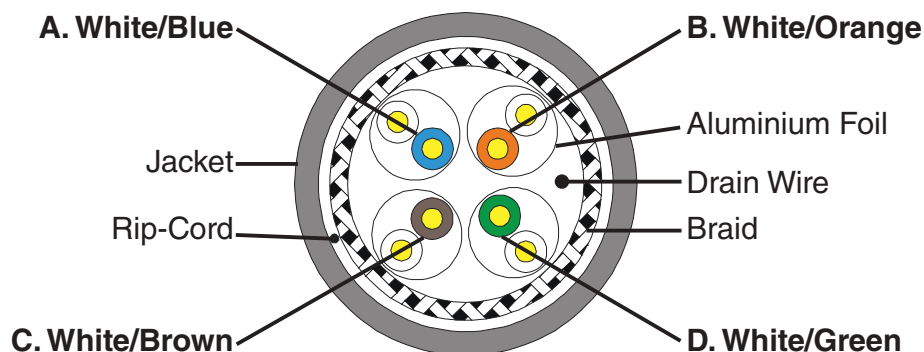
ELECTRICAL PERFORMANCE:

Freq (MHz)	PSNEXT $\geq$ dB	ELFEXT $\geq$ dB	PSELFEXT $\geq$ dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	48.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	41.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8
300	35.1	18.3	15.3
500	31.8	13.8	10.8

Freq (MHz)	RL $\geq$ dB	ATT $\leq$ dB	NEXT $\geq$ dB	DELAY $\leq$ ns
1	20.0	2.1	74.3	570.0
4	23.0	3.8	65.3	552.0
8	24.5	5.3	60.8	546.7
10	25.0	5.9	59.3	545.4
16	25.0	7.5	56.2	543.0
20	25.0	8.4	54.8	542.1
25	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6

Values are for information only. The minimum NEXT coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula: $NEXT(f \text{ MHz}) \geq NEXT(0.772) - 15 \log_{10}(f \text{ MHz}/0.772)$

CONFIGURATION:



Although every precaution has been taken to ensure the accuracy of the product specifications at the time of publication, we cannot be responsible for the errors, omissions, or changes due to obsolescence. All data contained herein is subject to change without notice.