



Rack

Passive Products

Fiber Products

Passive Products Data Sheet

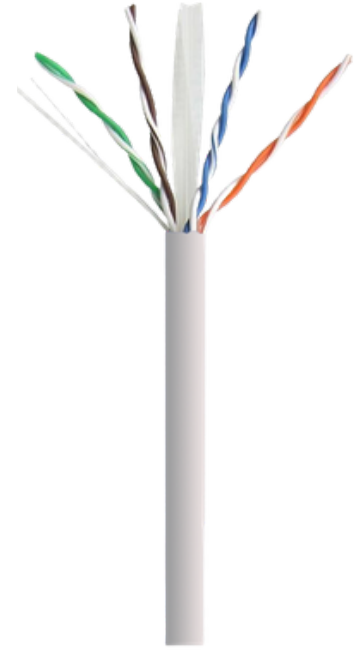
www.dds-eg.com



DNC-LSZHBC305

UTP LSZH 23AWG 305M Cat6 Roll

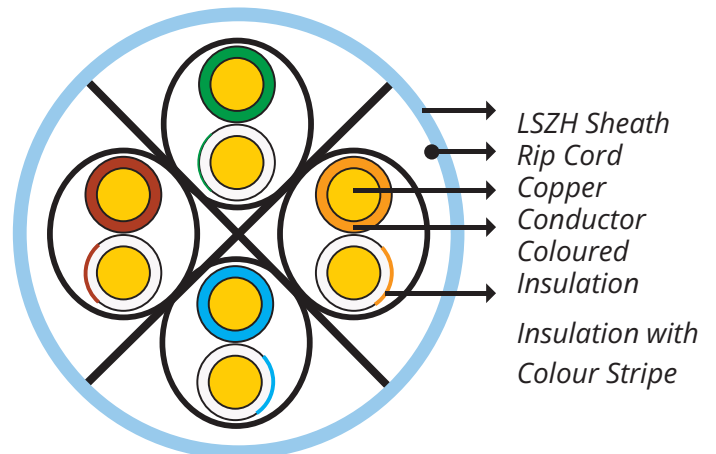
- Complies with Cat 6 specifications
- 4-pair unshielded twisted pair (UTP) cable
- 23 AWG solid copper conductor for reliable conductivity
- PE insulation with a PE central cross
- LSZH (Low Smoke Zero Halogen) jacket
- Verified compliance with EIA/TIA standards (ETL & UL listed)
- Packaged in an easy-to-pull reel-in-box for convenient installation



Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs.

Supports Gigabit Ethernet (1000 baseT) standard. Operates at bandwidth of 250MHz.

This cable well exceeds the requirements of ANSI/TIA- 568-C.2 and ISO/IEC 11801.





TRANSMISSION CHARACTERISTICS PER 90M

FREQUENCYMHZ	INSERTION LOSS (DB/100M)	NEXT (DB)	RL (DB)	PSNEXT (DB)	ACR-F (DB)	PS ACR-F (DB)
1.0	1.9	65.0	19.1	62.0	64.2	61.2
4.0	3.5	64.1	21.0	61.8	52.1	49.1
8.0	5.0	59.4	21.0	57.0	46.1	43.1
10.0	5.5	57.8	21.0	55.5	44.2	41.2
16.0	7.0	54.6	20.0	52.2	40.1	37.1
20.0	7.9	53.1	19.5	50.7	38.2	35.2
25.0	8.9	51.5	19.0	49.1	36.2	33.2
31.25	10.0	50.0	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16.0	42.7	28.3	25.3
100.0	18.6	41.8	14.0	39.3	24.2	21.2
200.0	27.4	36.9	11.0	34.3	18.2	15.2
250.0	31.1	35.3	10.0	32.7	16.2	13.2

Mechanical & Environmental Characteristics

Bending Radius	≥ 6D, without load
	≥ 8D, with load
Operation Temperature	-20 °C ~+60°C
Installation Temperature	0°C ~+50°C
Storage Temperature	-30 °C ~+60°C



Electrical Performance

Fre q	Insertion Loss		NEXT		PS NEXT		ACR		PS ACR		ACR-F		PS ACR-F		Return Loss	
	(dB)	(dB)	(dB/100m)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
(M Hz)	Nor	Typ	Nor	Typ	Nor	Typ	Nor	Typ	Nor	Typ	Nor	Typ	Nor	Typ	Nor	Typ
1	2.1	1.8	74.3	82.3	72.3	77.3	72.2	80.5	70.2	75.5	67.8	84.8	64.8	79.8	20	29
4	3.8	3.5	65.3	73.3	63.3	68.3	61.4	69.8	59.4	64.8	55.8	72.8	52.8	67.8	23	32
10	6	5.6	59.3	73.3	57.3	62.3	53.3	61.7	51.3	56.7	47.8	64.8	44.8	59.8	25	38
16	7.6	7.1	56.2	73.3	54.2	59.2	48.6	57.1	46.6	52.1	43.7	60.7	40.7	55.7	25	34
20	8.5	7.9	54.8	73.3	52.8	57.8	46.2	54.9	44.2	49.9	41.8	58.8	38.8	53.8	25	34
31.25	10.8	10	51.9	73.3	49.9	54.9	41.1	49.9	39.1	44.9	37.9	54.9	34.9	49.9	23.6	32
62.5	15.5	14.4	47.4	73.3	45.4	50.4	31.9	41	29.9	36	31.9	48.9	28.9	43.9	21.5	32
100	19.9	18.6	44.3	73.3	42.3	47.3	24.4	33.7	22.4	28.7	27.8	44.8	24.8	39.8	20.1	32
160	25.9	24.1	41.2	73.3	39.2	44.2	15.5	25.1	13.5	20.1	23.7	40.7	20	35.7	18.7	31
200	29	26.8	39.8	73.3	37.8	42.8	10.6	21	8.6	15.2	21.8	38.8	18.8	33.8	18	29
250	33	30.5	38.3	73.3	36.3	40.3	5.3	15.8	3.3	10.8	19.8	37	16.8	31.8	17.3	29