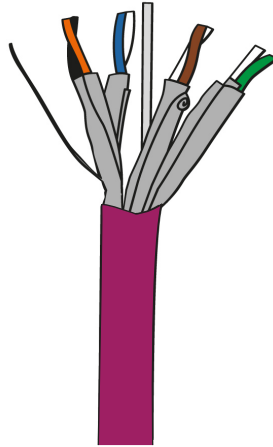


CABLE U/FTP CAT6A BDN 23AWG LSZH VIOLET 305M ETL BDN-6AVETL



Category 6A U/FTP LSZH cables are designed to deliver a robust standards based performance ensuring optimum bandwidth for today's high speed network applications. The cable is designed to support horizontal networking applications over distances up to 100 meters.

Each Category 6A U/FTP LSZH exceed the minimum specified performance for Category 6A U/FTP cables and support all CLASS EA applications as defined within ISO/IEC 11801 (2nd Edition): 2010 such as 10GBASE-T (Gigabit Ethernet), 2G FCBASE-T, 4G FCBASE-T and 1000BASE-T (Gigabit Ethernet).

FEATURES/BENEFITS

- RoHS compliant 2002/95/EC
- REACH / SVHC compliant regulation (EC) No. 1907/2006
- CPR ready, Dca-s2, d2, a1
- Pair color code:
 - Pair 1: White/Blue, and Blue
 - Pair 2: White/Orange, and Orange
 - Pair 3: White/Green, and Green
 - Pair 4: White/Brown, and Brown

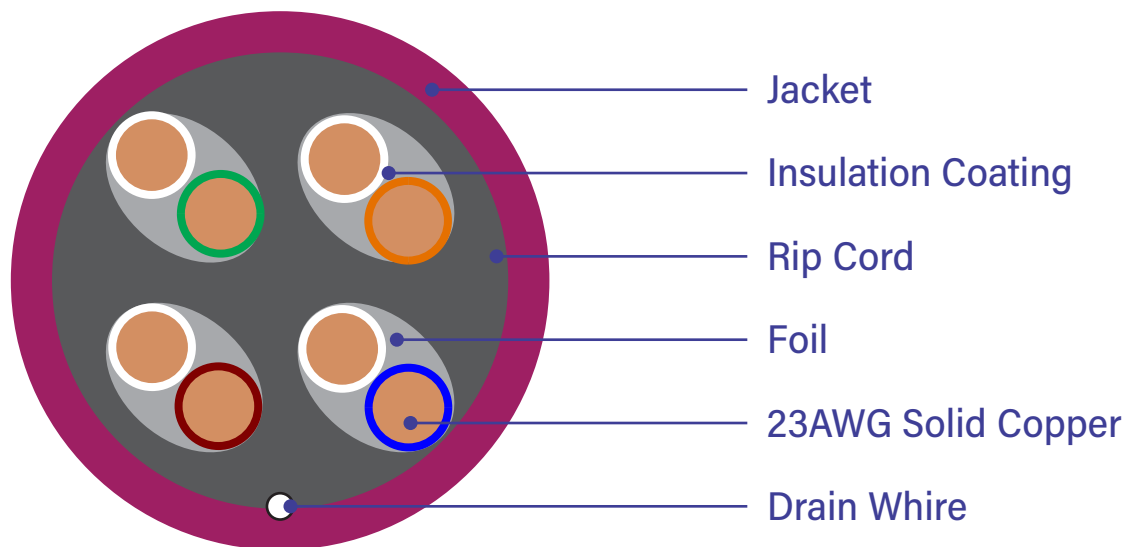
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SPECIFICATIONS	
Conductor	23AWG solid copper
Insulation	Expanded Polyethylene
Cable	8 insulated wires formed into 4 pairs. Each pair is individually screened with an aluminised polyester tape. (The aluminium side of the tape faces outwards and is in continuous contact with the tinned copper drain wire).
Screen	An aluminised polyester tape screen applied with a 15% minimum overlap (The aluminium side is in continuous contact with the tinned copper drain wire.)
Sheath Material	Low Smoke Zero Halogen (LSZH)
Sheath Color	Violet
Diameter	7.0mm (± 0.3mm)
Electrical properties at 20°C	
Nom. mutual capacitance	≤5.6 nF/100m (@1kHz)
Pair to ground capacitance unbalance	≤1600 pF/km
Nominal velocity of propagation	74%
Max. delay skew	45 ns/100m
Max. conductor DC resistance	93.8 Ω/km (@ 20 °C)
Max. conductor resistance unbalance	2% (@ 20 °C)
Min. insulation resistance	5000 MΩ.m
Max. operating voltage - UL	300 V
MECHANICAL CHARACTERISTICS	
Operation	-20°C to + 60°C
Installation	0°C to +50°C
Storage	-20°C to + 70°C
Maximum Tensile Force	
During Installation	110N
Minimum Bend Radii	
Installation	8 x Cable Diameter

TRANSMISSION LINE PERFORMANCE AT 20°C								
FREQUENCY MHZ	ATTENUATION DB/100M	NEXT DB	ACR MIN DB	PSNEXT MIN DB	ELFEXT MIN DB	PSELFEXT MIN DB	PSANEXT MIN DB	RETURN LOSS
1	1.8	95.0	93.2	95.0	68.0	65.0	-	-
4	3.8	66.3	62.5	66.3	58.0	55.0	76.5	23
10	5.9	60.3	54.4	60.3	50.0	47.0	72.5	25
20	8.4	55.8	47.4	55.8	44.0	41.0	69.5	25
62.5	15.0	48.4	33.4	48.4	34.1	31.1	64.5	21.5
100	19.1	45.3	26.2	45.3	30.0	27.0	62.5	20.1
250	31.1	29.3	8.2	39.3	22.0	19.0	56.5	17.3
500	45.3	34.8	-10.5	34.8	16.0	13.0	52.0	17.3

- S means standard model; H means long time model.
- All specifications are subject to change without notice.

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ADDITIONAL INFORMATION

The Category 6A U/FTP LSZH cable is manufactured and tested directly in accordance with the major industry standards:

- ISO/IEC 11801 2nd Edition
- ANSI/TIA 568-C.2
- EN 50173
- IEC 61156-5
- EN 50288-3-1

Category 6A U/FTP LSZH cables exceed the requirements of:

- IEC 60332-1-2
- IEC 60754-2
- IEC 61034

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