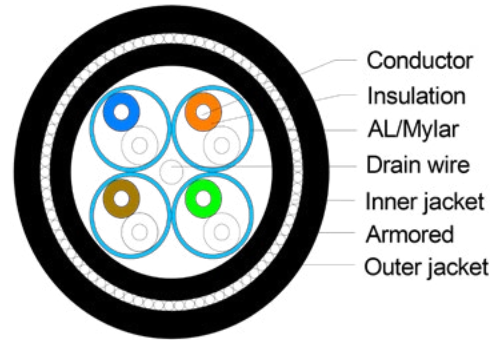


CAT6A

Armored Cable

U/FTP 4x2x23AWG/
1 LSZH SWA90 PE

EXT/CAT6A/UFTP-SWA



FEATURES

- CATEGORY 6A COMPONENT COMPLIANT
- CONVENTIONAL SCREENED CONSTRUCTION SPECIFIED TO 23AWG 500MHZ
- SUITABLE FOR 10 GIGABIT, ETHERNET APPLICATIONS
- INNER SHEATH BLACK
- COMPACT, BUT ROBUST, DESIGN
- 500MTR REELS
- 25 YEAR SYSTEM WARRANTY
- CPR-FCA

PRODUCT OVERVIEW

The cable is used for data transmission with characteristic impedance for 100ohm. 23AWG/1 BC conductor, Foamed PE insulation, AL/Mylar individual screen, Drain wire, LSZH inner jacket, Galvanized steel wire spiral armored, PE outer jacket.

SPECIFICATION

Conductor	0.560mm solid bare copper wire
Insulation	Foamed PE OD: 1.34±0.05mm Color: Pair 1:White, Blue Pair 2:White, Orange Pair 3:White, Green Pair 4:White, Brown
Individual screen	AL/Mylar
Drain wire	0.40mm tinned copper wire
Inner Jacket	LSZH Color : Black (Similar to RAL9004) OD: 8.10±0.50mm
Armored	0.9mm galvanized steel wire spiral, coverage ≥90%
Outer Jacket	PE CPR FCA Color: Black (Similar to RAL9005) OD:11.90±0.60mm
Marking:	CNET Cabling Systems <input type="checkbox"/> Armored <input type="checkbox"/> CABLE <input type="checkbox"/> U/FTP <input type="checkbox"/> CAT6A <input type="checkbox"/> 4x2x23AWG/1 <input type="checkbox"/> LSZH+PE <input type="checkbox"/> XXXXXX <input type="checkbox"/> * <input type="checkbox"/> ***m

Note:

- means blank;
- XXXXXX means batch number;
- ***m means meter

ELECTRICAL CHARACTERISTICS(20°C)

- Conductor DC resistance: $\leq 95\text{ohm/km}$
- DC Resistance Unbalance: $\leq 5\%$
- Characteristic impedance: $100\pm 15\text{ohm @1-500MHz}$
- Dielectric Strength: DC1KV for 1min(conductor to conductor,conductor to screen)
- Insulation Resistance: $\geq 5000\text{M}\Omega.\text{km}$
- Capacitance Unbalance (pair to ground): $\leq 160\text{pF/100m}$ at 1kHz
- Transmission performance: ANSI/TIA-568.2-D

FREQUENCY (MHz)	ATT dB Max	RL dB Min	NEXT dB Min	PSNEXT dB Min	ACRF dB Min	PSACRF dB Min
1.00	3.0	19.1	65.0	62.0	64.2	61.2
4.00	3.5	21.0	64.1	61.8	52.1	49.1
8.00	5.0	21.0	59.4	57.0	46.1	43.1
10.00	5.5	21.0	57.8	55.5	44.2	41.2
16.00	7.0	20.0	54.6	52.2	40.1	37.1
20.00	7.8	19.5	53.1	50.7	38.2	35.2
25.00	8.8	19.0	51.5	49.1	36.2	33.2
31.25	9.8	18.5	50.0	47.5	34.3	31.3
62.50	14.0	16.0	45.1	42.7	28.3	25.3
100.00	18.0	14.0	41.8	39.3	24.2	21.2
200.00	26.1	11.0	36.9	34.3	18.2	15.2
250.00	29.5	10.0	35.3	32.7	16.2	13.2
300.00	32.7	9.2	34.0	31.4	14.6	11.6
400.00	38.4	8.0	29.9	27.1	12.1	9.1
500.00	43.8	8.0	26.7	23.8	10.2	7.2

Note: Category 6A Permanent link test extreme length 90m.

OTHER CHARACTERISTICS

- Operating temperature Fixed: $-20 \sim +75 \text{ }^\circ\text{C}$
- Installation temperature $0 \sim +60 \text{ }^\circ\text{C}$
- Min. Bending radius Fixed: 20D (Cable diameter)
- This cable meets RoHS requirements

PART NUMBER / PACKING INFORMATION

PART NO.	DESCRIPTION
EXT/CAT6A/UFTP-SWA	500m / drum

SYSTEM WARRANTY

The CNET Cabling System Warranty provides a 25 year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed.

The warranty may be applied for by a registered approved CNET (AI) Associated Installer who has designed, supplied and installed the relevant system.

