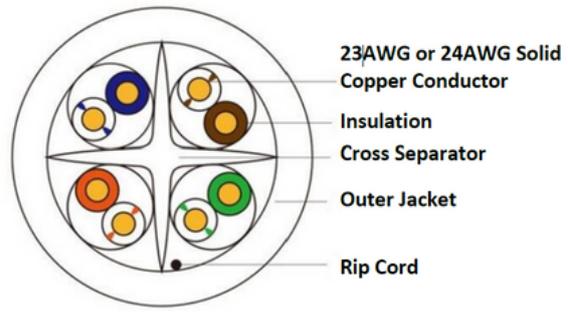
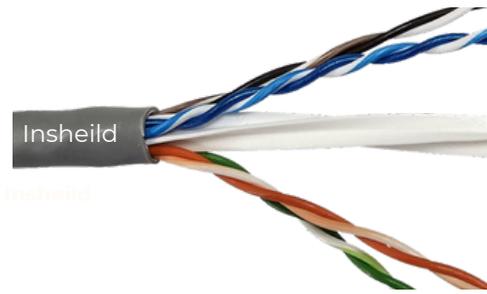


MAIN STRUCTURE



DESCRIPTION:

INSHEILD® Category 6A U/UTP cables are specifically designed to deliver 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/UTP exceed the minimum specified performance for Category 6A U/UTP cables and support all CLASS EA applications.

APPLICATION

- Supports category 6(ClassE) networks running up to 250MHz applications
- Horizontal and backbone in structured cabling installations
- 10BASE-T through 1000BASE-T Ethernet
- Power over Ethernet (PoE/POE +)
- ATM and token ring
- Power over Ethernet
- Wireless connectivity
- Intelligent lighting
- Security cameras
- Audio/visual
- Building automation systems.

FEATURES

- High signal integrity with minimal crosstalk
- Durable PVC jacket for long-term protection
- Compatible with standard Cat 6 connectivity hardware
- Suitable for horizontal cabling installations

PRODUCT DETAILS

Mechanical Information

Operating Temperature	-20 ~ 75°C
Maximum Pulling Force	110N
Minimum Bending Radius	4 X O.D.
Flame Test PVC:	CMX/CMH/CM/CMG/CMR/CMP LSZH: CPR-Eca/Fca/B2ca/Dca

Product Structure

Conductor	23 AWG
Number of Pair	4
Nominal Conductor	0.57±0.02
Insulation Material	Solid PE
Nominal Insulation	0.01±0.06
Color Code	Orange/Orange, White-Green/Green, White-Blue/Blue, White-Brown/Brown
Separator	YES
Outer Jacket Material	PVC/LSZH
Nominal Cable Diameter	6.1±0.30mm

TRANSMISSION CHARACTERISTICS

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Prop. Delay (ns/100m)	ACR-F (dB/100m)	PSACR-F (dB/100m)	Return Loss (dB)
1	2	74.5	570	72.3	68	65	20
4	3.7	65.3	552	63.3	56	53	23
10	5.9	59.3	545	57.3	48	45	25
20	8.3	54.8	541.2	52.8	42	39	25
62.5	14.9	47.4	538.5	45.4	32.1	29.1	21.5
100	19	44.3	537.6	42.3	28	25	20
250	31	38.2	536.1	36.5	20	17	17.3
500	45.4	33.7	532	31.8	14	11	15.2
600	50.1	60.7	535.5	57.7	38.4	35.4	17.3

Ordering Information

Part No	Product Description
C6AUL3X	INSHEILD CAT 6A U-UTP LSZH CABLE 23AWG 305M BOX
C6AUL5X	INSHEILD CAT 6A U-UTP LSZH CABLE 23AWG 500M REEL
C6AUP3X	INSHEILD CAT 6A U-UTP PVC CABLE 24AWG 305M BOX
C6AUP5X	INSHEILD CAT 6A U-UTP PVC CABLE 23AWG 500M REEL