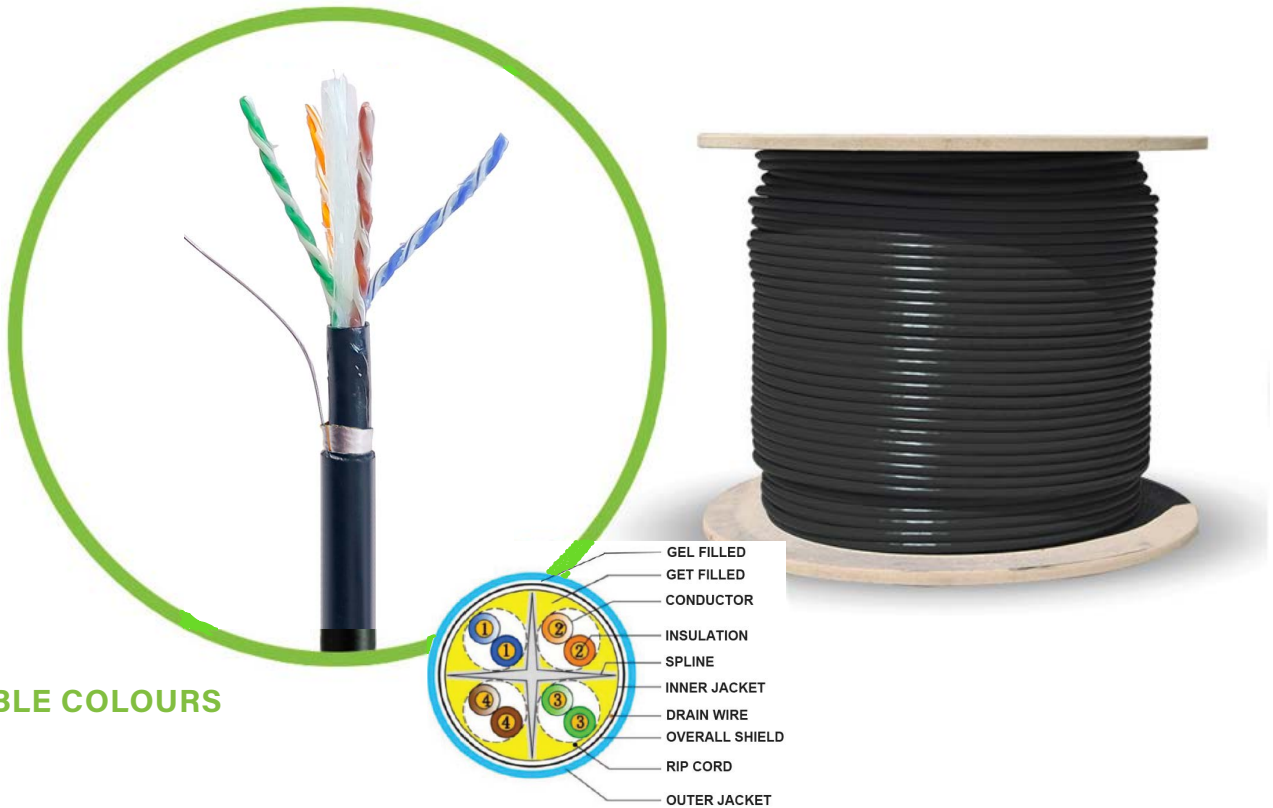


CAT6A 305M FUTP SHIELDED GEL FILLED OUTDOOR NETWORK CABLE

PART NUMBER: **C6AJEFUTSL305-BK**



AVAILABLE COLOURS



PRODUCT DESCRIPTION

SERVEREDGE CAT6A Shielded Gel-filled Network Cable combines the advantages of shielding and gel filling. It offers exceptional protection against electromagnetic interference and crosstalk, along with environmental factors, ensuring reliable performance in harsh outdoor conditions. The gel filling further enhances resistance to moisture and water, combined with UV protection against prolonged exposure to sunlight, extending the cables lifespan. With high data rates support and improved signal integrity, it's an ideal choice for long-distance outdoor installations, offering secure and future-proofed networking capabilities with minimal maintenance needs.

It's packaged on a wooden reel with sequential measurement markings on the jacket. The cable is made from the highest quality copper to maximize performance and minimize Near-End Crosstalk (NEXT).

PRODUCT FEATURES

- Sequential measurement markings on jacket
- Packaged on a wooden reel
- Supports all applications designed to operate over Category 6A or lower rated systems
- Suitable for direct underground burial
- Jell filled to protect from moisture
- UV Stabilised
- 25 Year Warranty*

STANDARDS COMPLIANCE

- ISO/IEC 11801 Ed. 2.2 (Class EA)
- IEC 61156-5:2009 (Category 6A)
- ANSI/TIA-568-C.2 (Category 6A)
- Supports up to 1000BASE-T applications

GUARANTEE/WARRANTY

Serveredge products are manufactured at the highest standards using highest quality materials at an affordable price. This Serveredge Product comes with a 2 year warranty standalone or a 25 years warranty as part of a certified structured cabling project. Subject to Serveredge Terms and Conditions*

PRODUCT SPECIFICATION

1. Conductor:	0.570±0.02mm	5. Outer Shield Material:	Aluminium Foli-Polyester Tape
Material:	Soft annealed bare copper wire	6. Drain Wire Material:	Solid Tinned Copper
2. Insulation:	PE-Foam/Skin-PE	Diameter	0.40±0.1mm
Nominal Wall:	0.24mm	7. Outer Jacket Material:	PE
Diameter	1.06±0.1mm	Nominal Wall Thickness:	0.45mm
3. Filler:	Gel Filled	Outer Diameter:	8.5±0.80mm
4. Inner Jacket Material:	PE		
Ripcord:	Under Sheath		
Nominal Wall Thickness:	0.45mm		
Diameter:			

ELECTRICAL CHARACTERISTICS

MHz \ Item	ATT	NEXT	RL	PS-NEXT	ELFEXT	PSELFEXT
	dB/100	dB	dB	dB	dB	dB
	Max.	Min.	Min.	Min.	Min.	Min.
1	4.0	65.0	19.0	62.0	63.3	60.3
4	4.2	63.0	19.0	60.5	51.2	48.2
8	5.8	58.2	19.0	55.6	45.2	42.2
10	6.5	56.6	19.0	54.0	43.3	40.3
16	8.2	53.2	18.0	50.6	39.2	36.2
20	9.2	51.6	17.5	49.0	31.2	34.2
25	10.2	50.0	17.0	47.3	35.3	32.3
31.25	11.5	48.4	16.5	45.7	33.4	30.4
62.5	16.4	43.4	14.0	40.6	27.3	24.3
100	20.9	39.9	12.0	37.1	23.3	20.3
200	30.1	34.8	9.0	31.9	17.2	14.2
250	33.9	33.1	8.0	30.2	15.3	12.3
350	40.6	30.6	6.6	27.6	12.4	9.4
500	49.3	27.9	6.0	24.8	9.3	6.3

Conductor resistance at 20°C	≤93.8 Ω/km
Unbalance conductor DC resistance	≤5%
Mutual capacitance	≤58nF/km
Pair to ground capacitance unbalance	≤330pF/100m
Insulation resistance	≥5000MQKm(DC500V Charge 1 minute)

MECHANICAL CHARACTERISTICS

Storage Temperature range	-15°C to 75°C
Installation Temperature range	0°C to 60°C
Maximum Pulling Force	25lbs
Min bend radius (install)	120mm