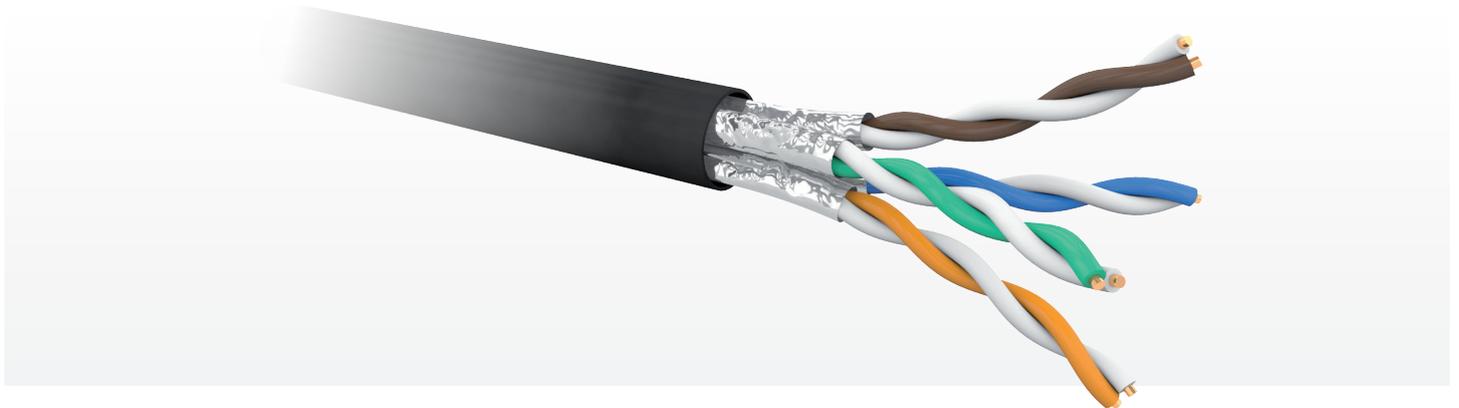


## CÂBLE CAT6A U/FTP PE 550 MHz



### APPLICATIONS

- IEEE802.3 :  
10GBase-T, 5GBase-T, 2.5GBase-T,  
1000Base-T (Gigabit Ethernet),  
100Base-Tx, 10Base-T
- ANSI / TIA / EIA : 1000Base-Tx
- IEEE 802.3at : PoE+

This cable meets and exceeds the requirement of Augmented category 6 (CAT6A) and ISO 11801 or EN 50173 Class EA when associated with Gigamedia High Performance RJ45 jacks.

The individual shield applied on each pair helps to optimize NEXT Performance and ensure the user that field test results will show a 100% Pass rate of installed links.

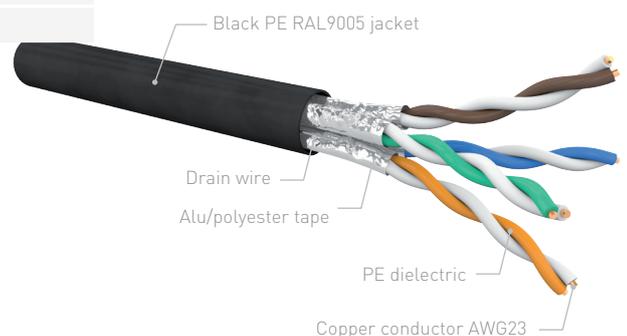
It is the ideal solution when deploying 10Gbits capable Network cabling Infrastructure. (i.e 10GBASE-T). It is also backward compatible with relevant application standards such as 1000BASE-T and other applications.

The PE outer jacket will allow an external installation.

### MECHANICAL CHARACTERISTICS

ITEM	JACKET	CONDUCTORS	INSULATION (MM)	EXTERNAL DIAMETER (MM)	GROSS WEIGHT (KG)	BENDING RADIUS (MM)	INSTALLATION TENSION (N)
4	PE	AWG23	1,33	7,5	17	60	110

- Temperature rating (operation): -40°C to +70°C
- Temperature rating (installation): -30°C à +60°C
- Standards: ANSI/TIA-568-C.2 (CAT6A)  
EN50173 CAT6A  
ISO/IEC11801 2nd Ed. Amd 2 CAT6A  
IEC 61156-5 : Ed.2.0



### CABLE MARKED

GIGAMEDIA VERIFIED ANSI/TIA-568-C.2 CATEGORY 6A U/FTP PE OUTDOOR CABLE NVP 74% 4 PAIR 23 AWG {Lot n° } xxxx m

## TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	ATTENUATION (dB/100 m)	NEXT (dB)	PSNEXT (dB)	ACR (dB/100 m)	PS-ACR (dB/100 m)	ELFEXT (dB/100 m)	PS-ELFEXT (dB/100 m)	Return loss (dB)
1.0	1.8	100	97	98	95	105	105	-
4.0	3.4	100	97	97	94	105	102	27
10.0	5.4	100	97	95	92	97	94	30
16.0	6.8	100	97	93	90	93	90	30
20.0	7.7	100	97	92	89	91	88	30
31.2	9.6	100	97	90	87	87	84	30
62.5	13.7	100	97	86	83	81	78	30
100.0	17.4	100	97	83	80	77	74	30
125.0	19.5	95	92	75	72	75	72	26
155.5	21.9	94	91	72	69	73	70	26
175.0	23.3	93	90	70	67	72	69	25
200.0	25.0	92	89	67	64	71	68	25
250.0	28.1	90	87	62	59	69	66	24
300.0	30.9	89	86	58	55	67	64	24
400.0	38.3	87	84	48	45	64	61	23
500.0	43.0	86	83	43	40	61	58	22

- Impedance: 100 ±5 Ω
- Velocity of propagation: 74 %
- DC Loop Resistance: 145 Ω/km
- DC Resistance Unbalance: ≤2%
- Transfer Impedance: ≤50 mΩ/m at 1 MHz  
≤100 mΩ/m at 10 MHz  
≤200 mΩ/m at 30 MHz

## ORDERING INFORMATION

P/N	DESCRIPTION
GGM C6AUF4PPET3	CAT6A 4 pairs AWG23 U/FTP PE outdoor black - Drum 305 m