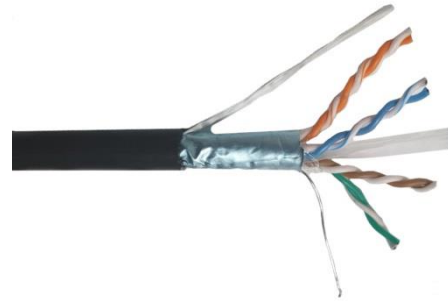


## Cat.6A F/UTP, 23 AWG, 4 Pairs, Solid PE Jacket - Outdoor Cable - 305 Mtr – Black

Avalon Cat.6A Foil Twisted Pair Outdoor Cable has a PE jacket. F/UTP (Foil Twisted Pair) cabling systems are installed to protect data from potentially corrupting electromagnetic interference (EMI) and improved Alien Cross talk performance. . They support a higher signal-to-noise ratio, providing better reliability for current applications and higher data rates for future applications. Aluminium tape is used to shield all 4 pairs giving screened protection against external interference such as EMI.

### Standard Compliance

- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-11-1:2012
- IEC 61156-5:2012(Edition 2.0)
- EN50173-1:2011
- RoHS compliant (EU Directive 2011/65/EC)



Specifications	
Description	Value
Frequency Range	1-500 MHz
Conductor	23 AWG Solid Bare Copper
Insulation	PE
Color Code	Modified ANSI/TIA-568.2-D (Solid colors)
Water Blocking	None
Overall Pair Shield	Aluminum Foil
Drain Wire	None
Outer Jacket	PE
Outer Jacket Color	Black
Mechanical Properties	
Pulling force	50 N/mm <sup>2</sup> max
Dynamic bend radius	8xOD mm min
Static bend radius	4xOD mm min
Operating temperature	-25°C to +60°C
Installation temperature	-10°C to +50°C
DC resistance	80 Ohm/km max.
Capacitance	56 pF/m max. @ 1kHz
Voltage rating	72 Vdc max.
Velocity of propagation (NVP)	78% nom.

### Application

- CCTV IP system video, voice transmission
- Voice and POE system
- 10GBASE-T Ethernet, 1000BASE-T Gigabit Ethernet, 100BASE-TX Fast Ethernet, 10BASE-T Ethernet

### Ordering Information

Part No.	Description
ANC6AFTPBK23-305MT-PE	Cat.6A F/UTP, 23 AWG, 4 Pairs, Solid PE Jacket - Outdoor Cable - 305 Mtr – Black