

## Description

Avalon Cables are the best twisted-pair cables in the market for transmitting data over local area Networks (LANs). As streaming video and multimedia over LAN are gaining popularity, users demand faster data transmission and reduced waiting time. These Cables are ideal for simple, cost-effective and high-speed transmission performance. They support a higher signal-to-noise ratio, providing better reliability for current applications and higher data rates for future applications. Aluminum tape is used to shield all 4 pairs giving screened protection against external interference such as EMI.

Make	AVALON	
Type	4 Pairs Shielded Twisted Pair (STP) Category 6 Cable	
Colour	Grey	
Cores	4	
Construction		Value
Conductors	AWG	23
	Size(mm)	0.565
	Material	Bare Copper
Insulators	Diameter(mm)	1.08 + 0.05mm
	Material	HDPE
Jacket	External O.D.	7.4+/-0.4 mm
	Thickness (mm)	0.60+/-0.05
	Material	LSZH
Shield	Material	Aluminium Foil
Fire Resistance		PCV Cable meets IEC 60332-1
Pulling Strength		110N
Min Bend Radius		4 times outer diameter
Operating temperature		-20 to +75

## Applications

- Horizontal Distribution and Backbone Cabling
- Supports category 5e (class D) networks running up to 100 MHz applications
- 4/16 Mbps Token Ring(IEEE 802.5)
- 10/100/1000 Base (IEEE 802.3)
- 155Mbps ATM
- 100 Mbps TP-PMD
- Analogue Voice, ISDN, ADSL

## Standards

- ISO/IEC11801:2011(Ed. 2.2)
- ANSI/TIA/EIA-568-C.2
- EN 50173-1:2011
- EN 50173-2:2007 including amendment A1:2010
- IEC61935-2:2010(Ed.3.0) (transmission requirements)
- Fire Standards – IEC 60332-1

## Ordering Information

Part No.	Description	Length	Colour
ANC6SPGY23-305MT-LSZH	CAT.6 STP Cable-305 Meter-LSZH	305 Meters	Grey