

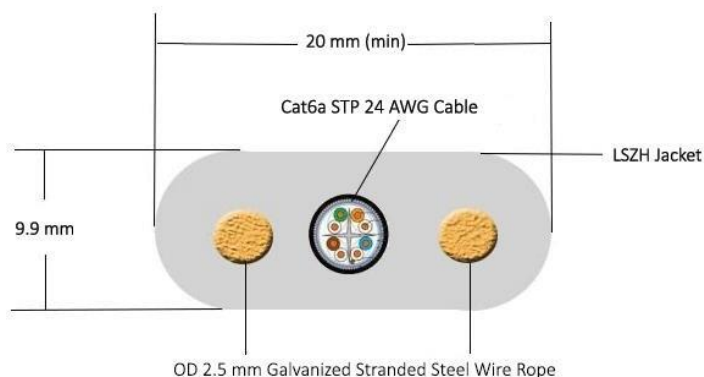
## Avalon Cat6a STP & Fiber Optic Industrial Flexible Elevator Cable

### Description

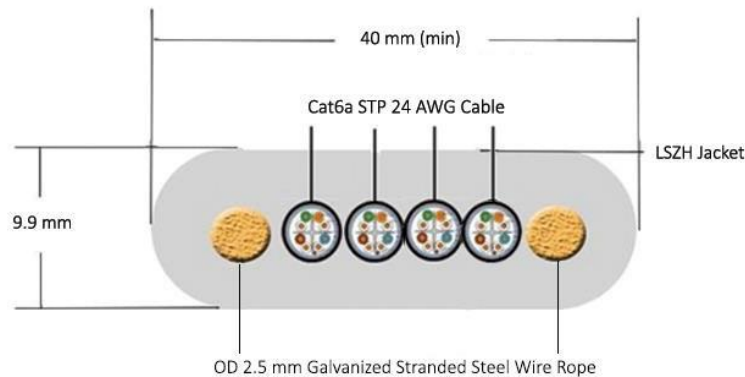
24 AWG /19 Stranded BC conductor, Foam PE insulation, AL/Mylar individual screen, Tinned copper braiding overall screen, galvanized steel wire and LSZH Outer Jacket.

### Design

**Industrial Flexible Elevator Cable 1 x Cat6a STP 24 AWG Cable**



**Industrial Flexible Elevator Cable 4 x Cat6a STP 24 AWG Cable**



### Specifications - [Cat6a]

Description	Value
Conductor	19*0.12mm stranded bare copper wire
Insulation	Foam PE Nominal OD:1.45mm
Color	White, Blue, Orange, Green, Brown
Individual Screen	AL/Mylar overall screen
Tinned copper braiding coverage	≥85% with self-support line galvanized steel wire
Jacket	LSZH - Flexible outer jacket, Bend Resistant, Fire Retardant & Oil Resistance
Height	9.9mm
Width	20mm - 40mm
Marking	Avalon Cat6a STP Industrial Flexible Elevator Cable xxx Meters

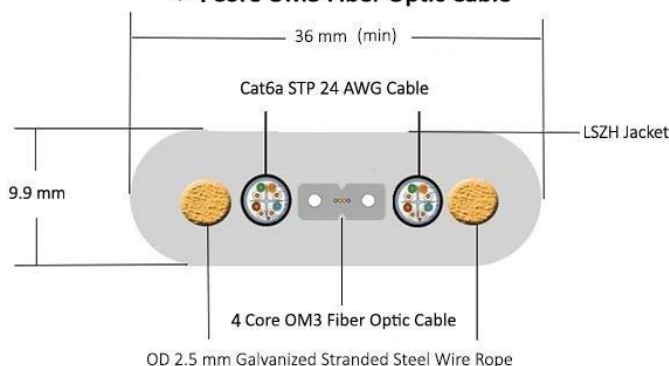
### Electrical Characteristics

Description	Value
Conductor DC resistance at 20°C	≤93.8 ohm/km
Characteristic Impedance	100±5ohm @100MHz
Dielectric Strength	DC1KV for 1min (conductor to conductor, conductor to screen)
Insulation Resistance @20 ±3°C	≥5000MΩ .km (IEC 60189-1)

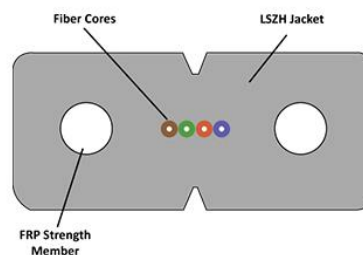
## Industrial Flexible Elevator Cable 2 x Cat6a STP 24 AWG Cable + 4 Core OM3 Optical Fiber Cable

### Design

Industrial Flexible Elevator Cable 2 x Cat6a STP 24 AWG Cable + 4 Core OM3 Fiber Optic Cable



4 Core OM3 Tight Buffered Multimode Fiber Optic Cable



### Specifications - [Fiber Optic]

Description	Value
Fiber Type	OM3
Coating Material	LSZH / LSOH
Max Tension (Long Term / Short Term N)	160/300
Max Crushing Resistance (N/100) (Long term / Short Term N)	200/1000
Min Bending Radius (mm)	Dynamic 25D / Static 20D
Temperature Range	-15°C to +80 °C

### Transmission Performance

Freq.	ATT	RL	NEXT	PSNEXT	ELFEXT	PSELFEXT
MHz	dB/100m	dB	dB	dB	dB	dB
	Max.	Min.	Min.	Min.	Min.	Min.
1	2.1	19.0	65.0	62.0	63.3	60.3
4	4.2	19.0	63.0	60.5	51.2	48.2
10	6.5	19.0	56.6	54.0	43.3	42.2
100	20.9	12.0	39.9	37.1	23.3	20.3
200	30.1	9.0	34.8	31.9	17.2	14.2
250	33.9	8.0	33.1	30.2	15.3	12.3
300	37.4	7.2	31.7	28.8	13.7	10.7
500	49.3	6.0	26.1	23.2	9.3	6.3

### Ordering Information

Part No.	Description
ANEC-1x6ASTP-XXXMT	Avalon 1 x Cat6a STP Industrial Flexible Elevator Cable
ANEC-2x6ASTP+4FO-300MT	Avalon 2 x Cat6a STP + 4 Core OM3 Fiber Optic Industrial Flexible Elevator Cable
ANEC-4x6ASTP-300MT	Avalon 4 x Cat6a STP Industrial Flexible Elevator Cable

\*Replace XXX with 100, 200 Meters