

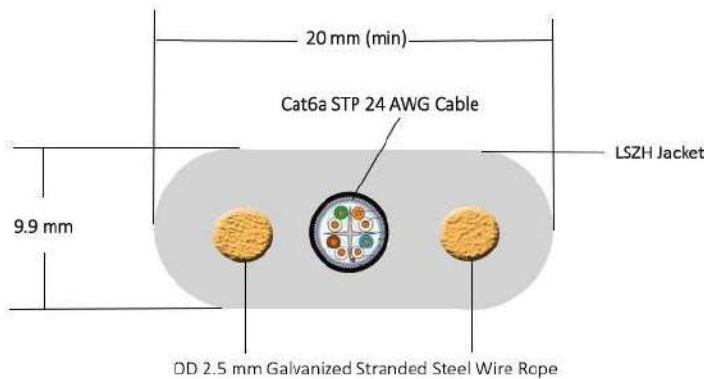
Avalon Cat6a STP & Fiber Optic Industrial Flexible Elevator Cable

Description

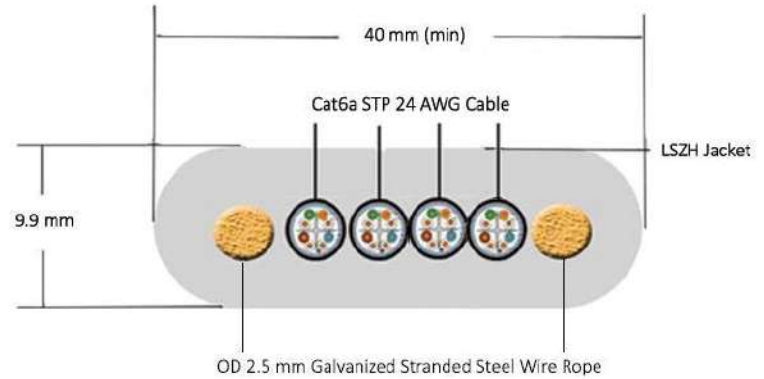
Industrial Flexible Elevator Cable 24 AWG /19 Stranded Bare Copper conductor, Foam PE insulation, AL/Mylar individual screen, Tinned copper braiding overall screen, galvanized steel wire and LSZH Outer Jacket.

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]

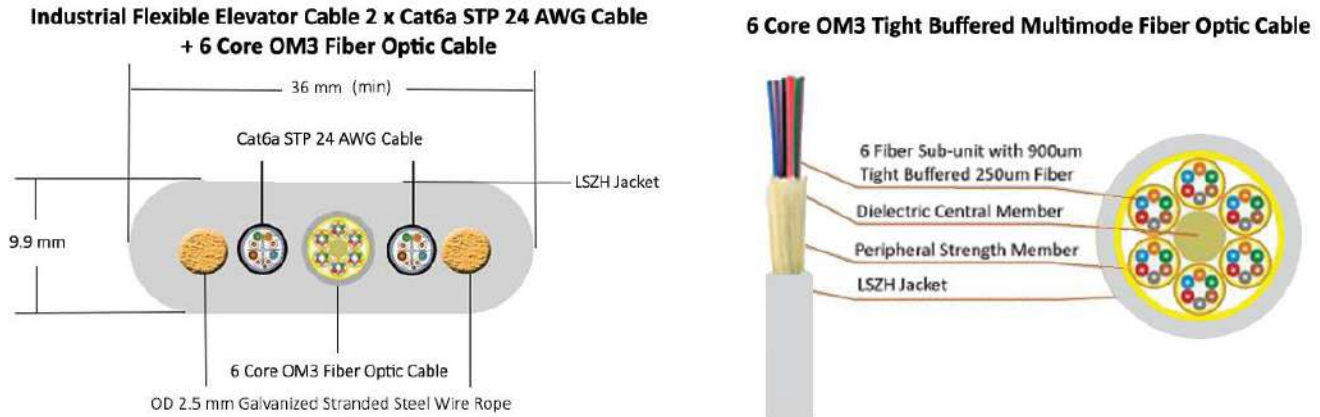
Description	ANEC-1x6ASTP-XXXMT	ANEC-4x6ASTP-300MT	ANEC-2x6ASTP+6FO-300MT
Conductor	19*0.12mm stranded bare copper wire		
Insulation	Foam PE Nominal OD:1.45mm		
Color	White, Blue, Orange, Green, Brown		
Individual Screen	AL/Mylar overall screen		
Tinned copper braiding coverage	≥85% with self-support 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		
Free suspension length	80 m		
Travel speed	4 - 6 m/s max		
Maximum channel length	80 m		
Hanging height	150 m		
Total weight	18 Kg / 100 m	50 Kg / 100 m	36 Kg / 100 m

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 + 6 Core OM3 Fiber Optic Cable

Design



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
	dB/100m	dB	dB	dB	dB	dB
MHz	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
ANEC6ASTP-XXX	Avalon 1 x Cat6a STP Industrial Flexible Elevator Cable
ANEC-4x6ASTP-300MT	Avalon 4 x Cat6a STP Industrial Flexible Elevator Cable
ANEC-2x6ASTP+6FO-300MT	Avalon 2 x Cat6a STP + 6 Core OM3 Fiber Optic Industrial Flexible Elevator Cable

*Replace XXX with 100, 200 Meters