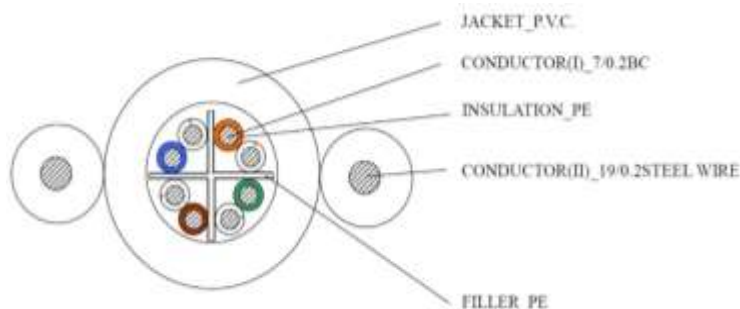


Category 6 – Elevator Travelling Cable



Product Overview

Alston Systems, Category 6 Elevator Travelling cables used as LAN cables in elevators, supports all Cat6 / Class E Specifications, products supports 100 / 1000 Base-T, all Elevator information & communication systems, data LAN cable optimized for RJ45 plug systems supporting 24AWG stranded wires.

Cable Construction

Stranded copper conductor	24 AWG (7*0.2mm)
	0.95mm Color-coded HDPE Insulation * 4 Pairs, Filler
Inner Jacket for Cat6	6.15mm PVC Jacket (Blue)
Outer Jacket	16.00mm Elastic PVC (Black)
Steel Wire Part	19*0.2mm Steel Wire * 2C
Outer Jacket	5.25mm Elastic PVC (Black)
Whole Jacket	5.25mm + 16.00mm +5.25mm
Standard Packing	Roll with 305 MTR / Gross Weight 35 KGS

Electrical Characteristics

Frequency	Impedance	RL	Attenuation	NEXT	NEXT Power Sum	ELFECT	PSELFEXT
MHz	ohm	dB	dB/100m	dB	dB	dB	dB
1.0	100±15	20.0	2.5	74.3	72.3	67.8	64.8
4.0	100±15	23.0	4.6	65.3	63.3	55.8	52.7
10.0	100±15	25.0	7.2	59.3	57.3	47.8	44.8
16.0	100±15	25.0	9.1	56.2	54.3	43.7	40.7
20.0	100±15	25.0	10.2	54.8	52.8	41.8	38.8
31.25	100±15	23.6	12.9	51.9	49.9	37.9	34.9
62.50	100±15	21.5	18.6	47.4	45.4	31.9	28.9
100.0	100±15	20.1	23.9	44.3	42.3	27.8	24.8
125.0	100±22	18.8	26.9	41.5	39.5	23.9	20.9
200.0	100±22	18.0	34.9	39.8	37.8	21.8	18.8

Electrical and transmission properties @ 20° C

Max DC conductor resistance	1400 W/km
Nom. capacitance @ 800 Hz	49 pF/m
Propagation velocity @ 1 MHz	approx. 72 %
Characteristic impedance @ 1 MHz	120 W (± 15%)
Transfer impedance @1MHz	10 mW/m
Fire performance	Flame retardancy compliance with IEC 60332-1 and UL1581 Standard requirements

Physical Properties

Max operating voltage	300 V (not for power purposes)
Max pulls strength	200N
Operating temperature	-30/+60 ° C
Min bend radius (fixed)	8 x outer ∅ [mm]
Min bend radius (moved)	12 x outer ∅ [mm]

Ordering Information

Part Number	Description
301600063	Alston Systems, Category 6 U/UTP Elevator Travelling cable 305m/roll PVC, Black