

Elevator dedicated CAT 6A accompanying network cable

1. Cable structure:

- 1.1 Conductor: Conductor material: 7/0.2±0.004 mm bare copper wire
- 1.2 Insulation: Insulation material: HDPE
Insulation outer diameter: 1.1±0.10 mm
Insulation color: white, blue, orange, green, brown
- 1.3 twisted pair: twisted chromatography: white / blue, white / orange, white / green, white / brown
- 1.4 Cable: White/blue, white/orange, white/green, white/brown
- 1.5 Braiding: Single-sided aluminum foil with aluminum facing outward (≥25%) + tin-plated braid;
braid density: ≥35%
- 1.6 Sheath: Sheath material: 80°C environmental protection PVC
Sheath color: black
Sheath outer diameter: 6.00 ± 0.20 mm
- 1.7 Marking: Used as a marking on the YDCAT 5e product jacket: NFC-YDCAT5e
Used as a marking on the YDCAT 6 product jacket: 1 or 2
If there are special requirements, print according to customer requirements

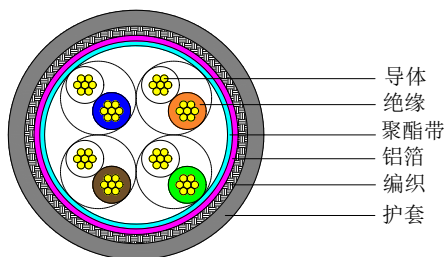
2. Electrical/physical mechanical properties (20°C):

- 2.1 Conductor DC resistance: ≤95 Ω/km
- 2.2 Insulation resistance: ≥5000M Ω.km
- 2.3 Test voltage: 1kv, AC / 1min (core - core)
- 2.4 Characteristic impedance: 100±15Ω (@4~100MHz)
- 2.5 Working capacitance: ≤56pF/m (@800~1000Hz)
- 2.6 phase delay: ≤570ns/100m (@4~100MHz)
- 2.7 Delay difference: ≤45ns/100m (@4~100MHz)
- 2.8

frequency (MHz)	4	8	10	16	20	25	31.25	62.5	100	200	250	500
attenuation (dB/100m)	≤4.8	≤6.4	≤7.1	≤8.8	≤9.8	≤10.8	≤12.1	≤17.1	≤21.7	≤31.2	≤35.3	≤48.16
NEXT (dB/100m)	≥66.3	≥61.8	≥60.3	≥57.2	≥55.8	≥54.3	≥52.9	≥48.4	≥45.3	≥40.8	≥39.3	≥38.58
PSNEXT (dB/100m)	≥63.3	≥58.8	≥57.3	≥54.2	≥52.8	≥51.3	≥49.9	≥45.4	≥42.3	≥37.8	≥36.3	≥31.8
ELFEXT (dB/100m)	≥56.0	≥49.9	≥48.0	≥43.9	≥42.0	≥40.0	≥38.1	≥32.1	≥28.0	≥22.0	≥20.0	≥14.0
PS ELFEXT (dB/100m)	≥53.0	≥46.9	≥45.0	≥40.9	≥39.0	≥37.0	≥35.1	≥29.1	≥25.0	≥19.0	≥17.0	≥11.0

- 2.9 Temperature range: -15°C~70 °C (fixed installation)
- 2.10 Bending radius: 10 x O.D (min.) (fixed installation);
15 x O.D (min.) (repeated movement)

3. Cable structure diagram



导体-conductor
 绝缘-insulation
 聚酯带-Polyester tape
 铝箔-Aluminum foil
 编织-braid
 护套-jacket

CAT 6A S-FTP(7/0.20)