

CCTV – 75 Ω

**Construction:****Conductor:**

- **Coaxial** : solid copper , diameter $\Phi 0.70 \pm 0.05$ mm
- **External conductor**: braid of bare copper wires 0,12 mm, 95% optical overlap
- **Power** : Stranded Copper, 0.35 mm^2 (12 x $\Phi 0.2 \pm 0.05$ mm)

Insulation:

- **Coaxial**: Foam PE, external diameter 3.5 ± 0.20 mm
- **Power** : PVC/C – ID : 1.8 ± 0.20 mm

Sheathing:

- **Coaxial**: PVC/ST5 – OD: 5.9 ± 0.50 mm
- **Power** : PVC/ST5 – OD: 5.0 ± 0.50 mm

Screen Tape: AL-PES TAPE (100% COVERAGE)**Technical Data :****Temperature range:**

- during installation: -15 °C up to $+55$ °C
- operating temp.: -40 °C up to $+85$ °C

Min. inner bending radius:

- without load: 5D
- under load: 10D

Behavior in fire: IEC 60332-1**Maximal tensile strength:** 240 N**Cable weight:** 58 kg/km**Test/Operating Voltage (max) :** 5.0 KV/2.0 KV**Electrical Data:**

Frequency range	F max.	[GHz]	3
Insulation resistance		[MΩ/km]	>10000
Impedence	ZL	[Ohm]	75 +/-3
Attenuation	100 MHz	[dB / 100 m]	11.1
Nominal capacitance		[PF/m]	180
Rel. velocity ratio	V rel	%	67
Operating peak voltage		[kV]	3.5

Application:

They are used in closed-circuit tv and camera systems, video, sound and signal transmission in short range. These composite cables are produced in different sections according to their respective applications.