

Low Voltage and Communications Systems 4hr

Topic	No of Slides	Minutes
Introduction	4	5
Art 725 – Remote Control, Signaling, Power Ltd Ckts: General	28	25
– Class 1 Circuits	7	5
– Class 2 & 3 Circuits	26	20
– Listing Requirements	6	5
Art 760 – Fire Alarm: General	23	20
– Power Limited Circuits	8	10
– Listing	3	5
Art 770 – Fiber Optic Cable – General	6	5
- Cables entering buildings	3	5
- Installation Methods	3	5
- Listing	2	5
Chapter 8 – Communications systems – Introduction	2	5
Art 800 – Communications Circuits – General	19	15
- Cables entering buildings	5	5
- Protection	18	15
- Installation Methods Within Buildings	4	5
- Listing	2	5
Art 810 – Radio & TV Equipment	30	25
Article 820 – CATV Systems – General	3	5
- Cables entering buildings	4	5
- Grounding	16	15
- Installation Methods Within Buildings	4	5
- Listing	2	5
Quiz		15
TOTAL	228	240

Objectives: To review NEC requirements for low voltage systems, including signaling, fire alarm, fiber-optic, as well as communications cabling. Methods, materials, and installation requirements will be discussed.

Learning outcomes: Key concepts tested and discussed at end of lesson to ensure that attendees are comfortable finding specific requirements in the NEC as they pertain to low-voltage and communications systems.

Instructor: Frank Seiler

I have read and understand the roster recording requirements for course sponsors provided with the course applications.

