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Purpose and Components of Low Flow Systems

Nurmakhamad Juraev [1]

Annotation: Our life all of the fields complete performance for necessary has been telecommunications of equipment work the quality is mostly low - flow cable to systems depends they are through information 12 V to 24 V low voltage low currents with is transmitted . This is low flow are systems . all information devices (telephones , computers , security , information systems and others) work which provides , not only stability , convenience , information protection do maybe life and property safety is also responsible for .

Key words: digital technology , low flow , high quality signal, optical fiber.

Digital of technologies fast development level cable to the network his scaling (add equipment connect possibility), security , continuity performance , high good quality and faster signal transmission which provides high requirements puts

Low flow of systems purpose and structural parts

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Low current networks main tasks :

- Equipment replacement ;
- Information transfer (info exchange);
- Equipment management ;
- Large size information save , re work and systematization ;
- Electric supply equipment (low voltage current 12-24V);
- Telecommunications systems expand possibility (nodes the number increase , transfer ability , extra equipment connect and others);
- Network combine and integration to do
- For information unauthorized access restriction and etc

Accommodation andcommerce networks purpose

Low current systems household and to commerce to be call it conditional because it is possible they are only scale, structure in parts and technical in requirements differs.

Private houses and in apartments use for designed low current to systems the following includes: Television, telephony , intercom , Internet, video surveillance , music devices , signaling and others

[1] TUIT Ferghana branch , docent

Commerce networks , above of the said to all addition respectively , departments or branches between internal connections , as well as local networks , emergency situations sensors , warning and message to give systems , wide striped connection , energy calculations automation , construction engineering for management and dispatch systems own into take can equipment , radio and radio communication systems , and places

Of these all of them network of components weight significant level increases and management complicates. This attitude with, as well as to combine common trends due to **single cable infrastructure organize reach reasonable - SCS.** Separately specialized unified systemsto the system integration for SCS to do management and technical service to show is an optimal solution that simplifies. With that together with SCS administration computer and telephone of the network transparency provides - all SCS interfaces defined and documented.

The project to compose features

Commerce cable system in the construction of the object right order from providing except, whole building complete learning need After all , the equipment stability and work to quality more effect to show possible has been of the object all factors and features account get as well as all safety requirements , especially social in institutions strictly account get need schools , children kindergartens , medicine institutions . If additional cable directions laying down through low current available system change necessary exists ifcable directions to the plan have to be to the goal is appropriate.

Worker in the project of the cable type, main equipment and switching equipment showing cable directions counting will be released. In the future different different noises prevention get for especially low flow lines of 220 V electricity networks with to the intersection attention to give need

Next stage - external appearance and to the design without interfering with the buildings features possible as long as account received without , installation for high good quality materials choose and buy get All equipment work for reserve , extra modules installation and functionality expand opportunity with selected .

Network straight away installation in a hidden cable groove or in cable ducts done increase can Termination works stage of the cable maximum required size laying down need , therefore for you how from the equipment to use that you are planning in advance you know need

Information transmission for cable carrier

Cable tools **coaxial cable, coiled couple cable, optical fibrous cable and telephone line cable** enters All cables different different modifications, categories and features have and each different kind of networks to build for is used. Information transmission quality and range directly of the cable features depend Cable finish again one important factor is the system installation during surface coming more than 50% of problems of the cable bad ending with depends has been corresponding BNC connectors with done increase need

Wrapped coupleTwisted couple based low flow network (Twisted pair cable two type have : shielded (FTP) and unshielded (UTP), they own 7 categories in turn have). that's it including SCS in construction , computer networks , video surveillance and others Special equipment (repeaters , amplifiers and others) without using recommendation done road range up to 100 m noises reduce for you electricity from the cable the distance your storage need at least 30 cm , or precious screened from the category use .

Optical fiber. Optical fibrous to the cable based low flow networks - copper cable than wider network width and signal transmission range provides . Network light signal transmission to technology based (more in the FOCL article your study can). Transfer capacity 50 Gbit / s, electromagnetic to noises subject to non , temperature conditions and his to vibrations less sensitive has been to water immersion can Disadvantages of the cable high the price and fragility own into takes , but is correct installation and use with this shortcoming is minimized .

Coaxial cable. Coaxial to the cable based low flow network - mainly analog video surveillance and television networks , that's it including DVB-C, DVB-T, DVB-T2, DVB-S, DVB-S2 formats for is used and video intercom installation for more suitable will come systems .

Coaxial to the cable based on network to build asymmetric signal transmission mean holds Signal only central core through it will pass good transmission range provides. The cable is electromagnetic to parasites sensitive, therefore for network design and in the installation electricity from networks at least 30 cm the distance storage need

Cable channels. Low current systems in construction An important element is the cable supportive systems (cable channels) and they installation expenses reduces the room appearance save remains and use convenience provides .

Cable channels wide assortment to our experts each one of the object architectural and internal features possible as long as account get enable gives Cable in the channels or cable in the shafts aesthetic in terms of hidden low flow systems cables not only of the room harmonious appearance save will remain , maybe mechanic from injury reliable is protected .

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