

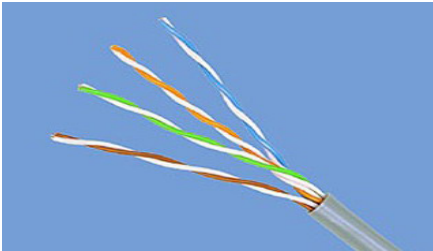


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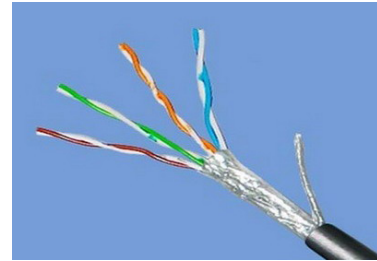
## CCTV UTP VIDEO TRANSMISSION

# Caution during application

1. The cable should use category 5 Unshielded Twisted Pair (UTP) point to point. The UTP cable size is 24-16AWG (0.5-1.31mm), with solid core or bunch stranding. Shield Twisted Pair is forbidden to be used, as well as parallel wire and untwisted wire.



UTP Cable



STP Cable

2. It's better to weld UTP which to be connected. The pairs can be twisted indoors and should be well-insulated. They should be water-proofed outside to alleviate problems.
3. Transceiver and Receiver should not use one power supply, preventing power supply series-wound interference.
4. Forbid to put video UTP and high-voltage power supply in the same tube, also forbid to mount with bridging port, loading core together.
5. Transceiver should be mounted near camera, it's not advised to use long coax cable, connect transceivers and cameras, DVRs, or monitors. The length of Coax cable should be **not exceed 50m**. Because quality of video will be degraded. If there is a long coax cable at the front end, active transceiver should be used for compensation of signal attenuation.
6. When branch cable connected with centre tap of mains, make sure the spare part of branch cable was cut and grounded. If there were pairs unused, they should be grounded.
7. Equipments are sensible to static electricity, disassembling and maintenance voluntarily is forbidden.
8. Forbid to insert and pull out signal interface in hot-line work situation, lest making damage to equipments.
9. Protection grounding should be grounded, conforming to ground requirement, especially in outdoor use condition.

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