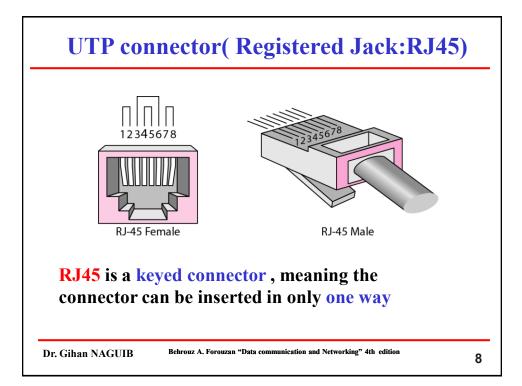
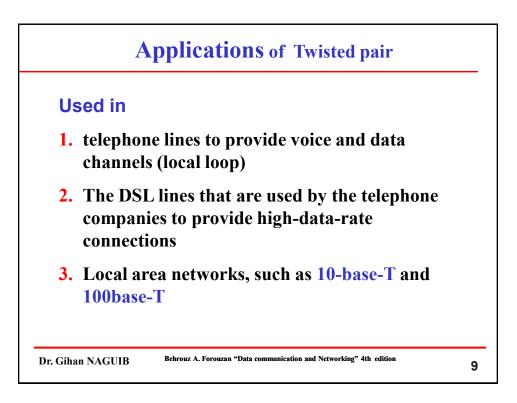
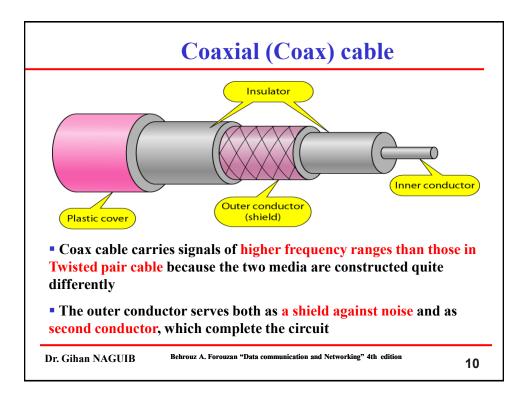


| Са | utegory | Specification | Data Rate (Mbps) | Use |
|----|---------|---|---------------------|-----------|
| | 1 | Unshielded twisted-pair used in telephone | < 0.1 | Telephone |
| | 2 | Unshielded twisted-pair originally used in T-lines | 2 | T-1 lines |
| | 3 | Improved CAT 2 used in LANs | 10 | LANs |
| | 4 | Improved CAT 3 used in Token Ring networks | 20 | LANs |
| | 5 | Cable wire is normally 24 AWG with a jacket and outside sheath | 100 | LANs |
| | 5E | An extension to category 5 that includes extra features to minimize the crosstalk and electromagnetic interference | 125 | LANs |
| | 6 | A new category with matched components coming from the same manufacturer. The cable must be tested at a 200-Mbps data rate. | 200 | LANs |
| | 7 | Sometimes called SSTP (shielded screen twisted-pair). Each pair is individually wrapped in a helical metallic foil followed by a metallic foil shield in addition to the outside sheath. The shield decreases the effect of crosstalk and increases the data rate. | 600 | LANs |







| | Category | Impedance | Use | |
|--------------------------|---------------------------|-----------------|--------------------------------------|--------|
| | RG-59 | 75 Ω | Cable TV | |
| | RG-58 | 50 Ω | Thin Ethernet | |
| | RG-11 | 50 Ω | Thick Ethernet |] |
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