

SOLARIXPEDIA

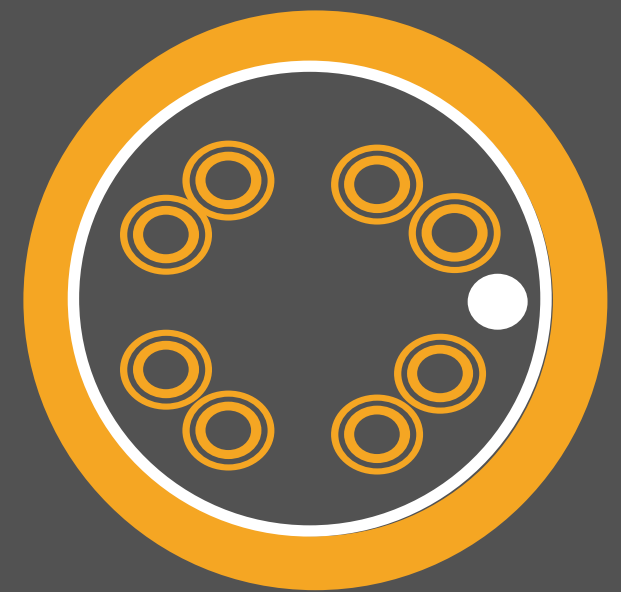
Installation Cables: Basic Construction and Types



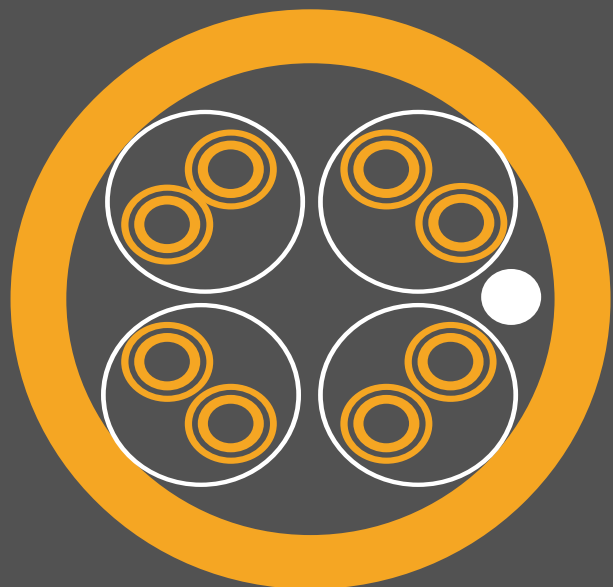
UTP or U/UTP

- Unshielded cable, marked as **UTP** or **U/UTP**
- Sheath and 8 conductors in 4 pairs
- Typical categories: CAT5E and CAT6 (category 6 cables usually feature a plastic separator)

- Shielded cable, marked as **FTP** or **F/UTP**
- Pairs are shielded by an overall foil, with a ground wire
- Typical categories: CAT5E and CAT6 (category 6 cables usually feature a plastic separator)



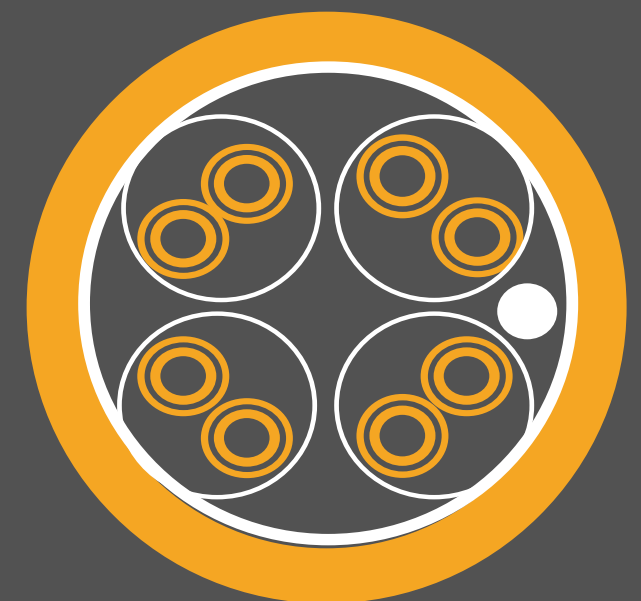
FTP or F/UTP



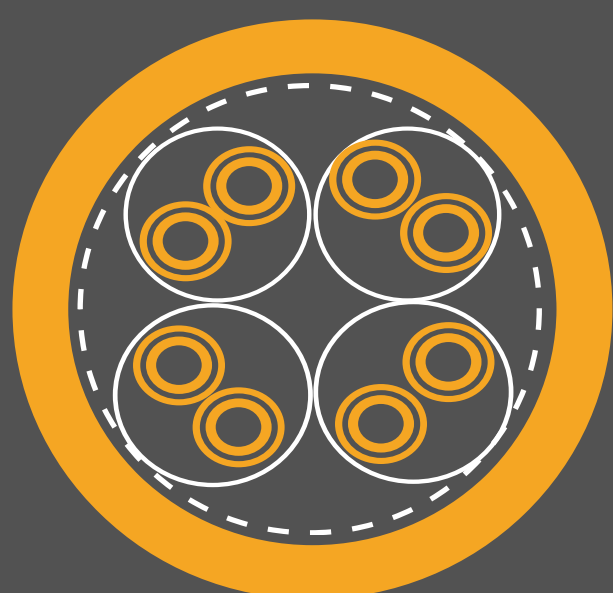
STP nebo U/FTP

- Shielded cable, marked as **STP** or **U/FTP** (so-called PiMF shielding)
- Each pair is individually shielded with an individual foil, with a ground wire
- Typical category: CAT6A

- Shielded cable, marked as **FFTP** or **F/FTP**
- Each pair is shielded with an individual foil and an overall foil, with a ground wire
- Typical category: CAT6A



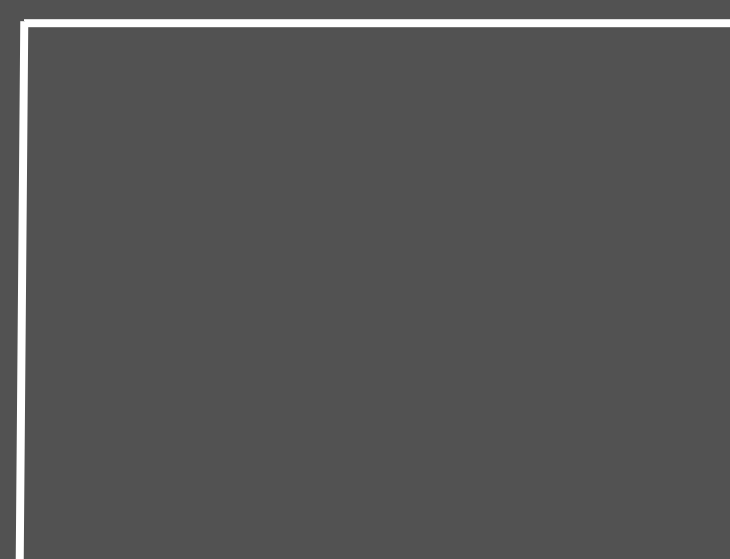
FFTP or F/FTP



SSTP or S/FTP

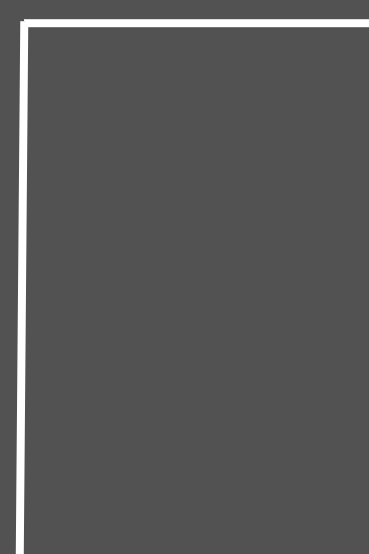
- Shielded cable, marked as **SSTP** or **S/FTP**
- Each pair is shielded with an individual foil and an overall braid
- Typical categories: CAT7, CAT7A, CAT8

MARKING OF INSTALLATION CABLES CONSTRUCTION



Overall cable shielding

- U - unshielded cable
- F - overall foil
- S - overall braid
- SF - overall braid and foil



Shielding of individual pairs

- U - unshielded individual pairs
- F - foil around each pair



Cable conductors

- TP - twisted pairs

EXAMPLES

- **U/UTP** - unshielded cable
- **F/UTP** - shielded cable, overall foil
- **U/FTP** - shielded cable, individual foils
- **F/FTP** - shielded cable, overall and individual foils
- **S/FTP** - shielded cable, overall braid and individual foils
- **SF/UTP** - shielded cable, overall braid and foils