Copper data cable design description in accordance with ISO/IEC 11801

Cable design description

X X / X X X

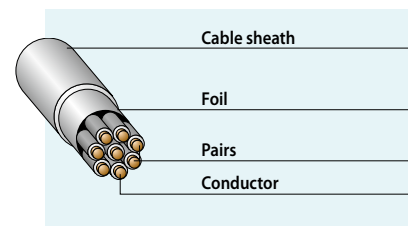|		
balanced element	**TP** =	twisted pair or star quad
shielding element	**U** = **F** =	unshielded foil
overall shielding	**F** = **S** = **SF** =	foil shielded braid shielded braid and foil shielded

Examples

SF/UTP = overall braid and foil shielded cable / with unshielded balanced elements

S/FTP = overall braid shielded cable / with foil shielded balanced elements
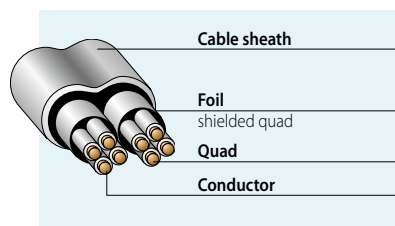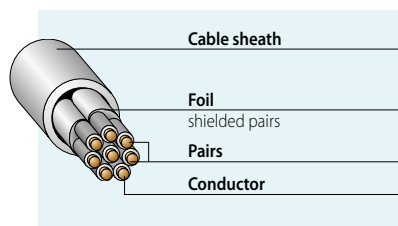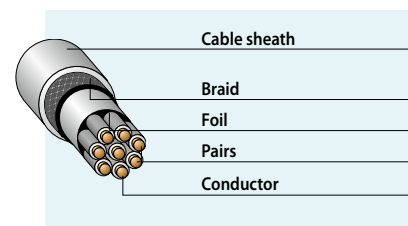
PiMF = Pairs in metal foil (xx/FTP)

U/UTP

- Cable sheath
- Pairs
- Conductor

- Cable sheath
- Quad
- Pairs
- Conductor

F/UTP

- Cable sheath
- Foil
- Pairs
- Conductor

U/FTP

- Cable sheath
- Foil
- shielded pairs
- Pairs
- Conductor

- Cable sheath
- Foil
- shielded quad
- Quad
- Conductor

SF/UTP

- Cable sheath
- Braid
- Foil
- Pairs
- Conductor
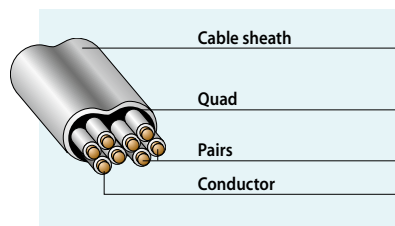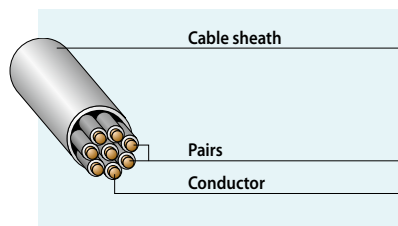
S/FTP (PiMF with overall braid shielding = best shielding performance)

- Cable sheath
- Braid
- Foil
- shielded pairs
- Pairs
- Conductor

- Cable sheath
- Braid
- Foil
- shielded quads
- Quad
- Conductor

DATWYLER