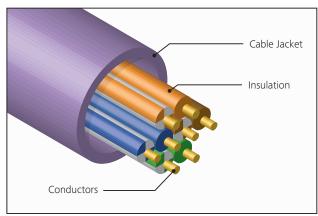


Copper Cable Cable Construction

Copper cable constructions can be translated through abbreviations. These abbreviations are relative to the level and position of screening found within the cable.

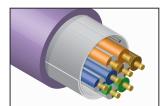


Basic cable construction.

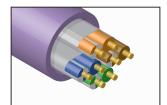
Basic Construction

The basic construction of a copper cable is always made up of;

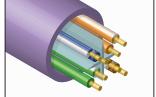
- Four pairs of twisted copper conductors
- Polyethylene insulation material that coats each copper conductor
- · Cable jacket
- A cross member should be included with CAT6 or CAT6A UTP (Unshielded) Cable.



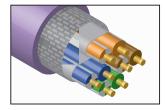
Example of screening around all four



Example of screening around each twisted pair.



Example of a cross member.



Example of braiding.

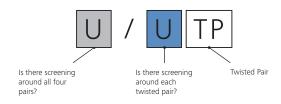
Construction Abbreviations

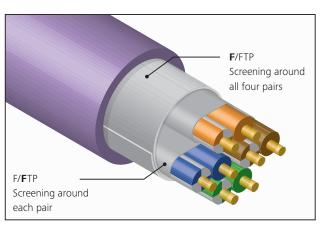
Referencing cable construction through abbreviations is relatively simple;

The first letter before the "/" represents the screening that surrounds all four twisted copper pairs.

The second letter found after the "/" represents the screening that surrounds each individual twisted copper pairs.

The "TP" simply means Twisted Pair





Construction abbreviations explained.

Industry Overview

Let's take a look of some of the more typical constructions found within the Structured Cabling Industry;

