

Aircraft cable types

- Aircraft cables must conform to standard specification; these are
 - Nyvin type
 - Minyvin type
 - Tersil type
 - Efglas type
 - Fepsil type

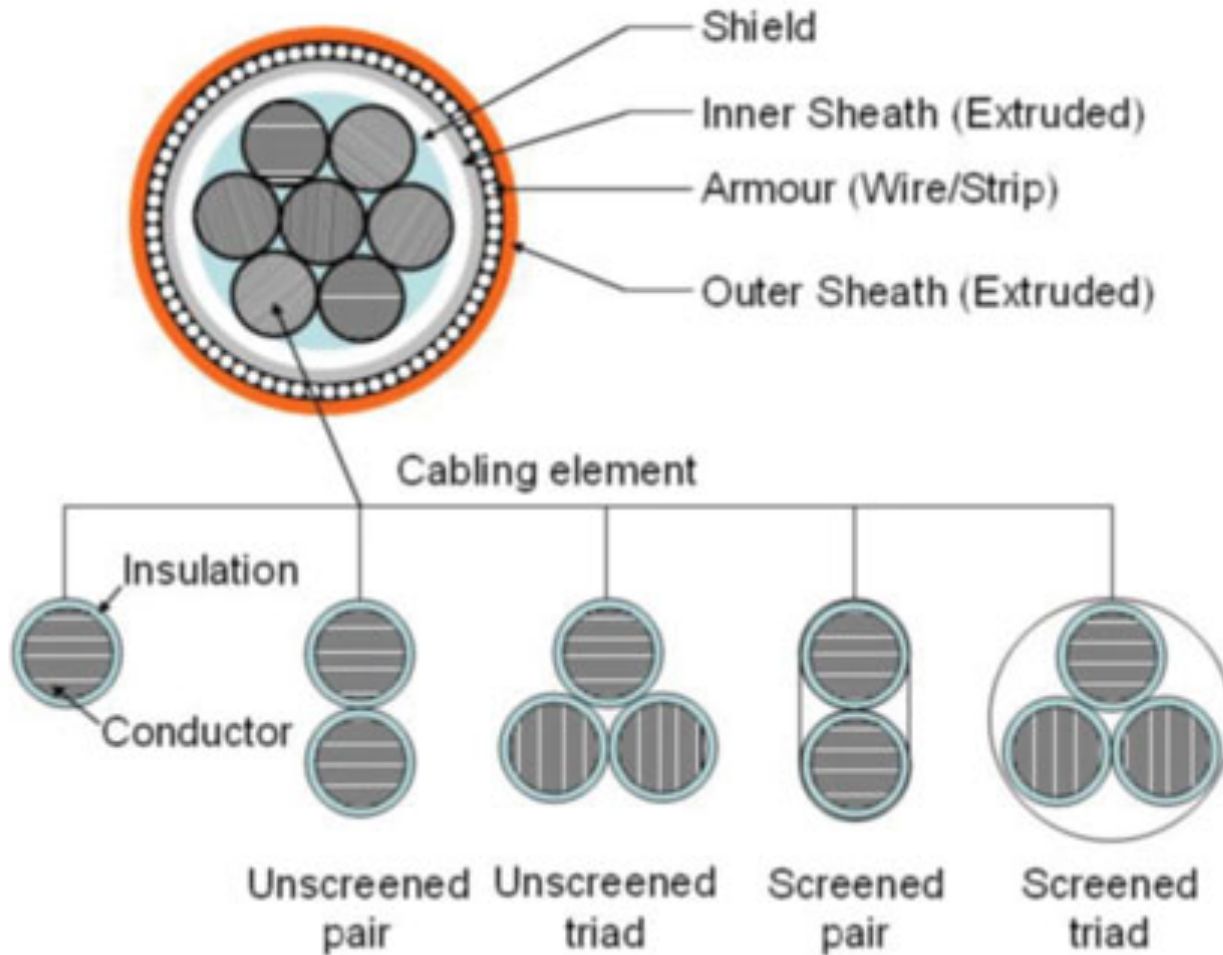
Conducting material is normally copper: in some cases aluminum is used because of its light weight.

Cable color

- Nyvin type- white
- Minyvin type - white
- Tersil type - orange
- Efglas type - white
- Fepsil type – green

Should not fit copper terminations to an aluminum cables or vice versa.

CABLE CUTAWAY



TOOLS FOR CABLES



By:Prem Mahendranathan

- Most of the aircraft in service today are fitted with **PREN** cables and being replaced with **NYVIN** range.
- Pren4 : 4 amps
- Prenal 100 : 100 amps, aluminum cored
- Nyvin 22 : 4 amps
- Nyvin 2 : 100 amps

Uninyvin Aircraft Cable to BS G177



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Swage stud



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NYVIN CABLES

- Has two grades
- Type A : withstand up to 105' C: name printed in red
- Type B : withstand up to 90' C: name printed in black
- All aluminum cables are Type B: they are flame resistant: not affected by petrol, oils or hydraulic fluids.

- Minyvin cables: resistant to fire, abrasive, oils, fuels: max temp, 105' C
- Tersil Cables : High fire, chemical, abrasive, resistant; withstand fire at least 5 minutes;
- Tersilal Cables : withstand high working temperatures and good resistance to fuel and hydraulic fluids
- Efglas cables: nickel plated conductor covered with a composite insulation; resistant to heat, moisture, and fluids; operating range from -70' C to + 240' C; undercarriage strut switch operated circuits.

- Fepsil cables: self extinguishing and are designed to function after limited exposure to fire; temp range -55 to 190' C
- KAPTON 150 (KP 150) : new type of general purpose life time cable; low weight; small size; temp range -65 to 150' C; easy to strip, print; resistant to mechanical damage; does not support combustion;
- KAPTON Cable code; KP150-G-BB-H-22
 - G- country of manufacture
 - BB- company that manufacture
 - H – year of manufacture