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**End Application:**

Missile, patriot

**Center To Center Distance Between Terminal Holes:**

0.100 inches

**Termination Type:**

Connector plug both ends all conductors

**Conductor Quantity:**

25

**Conductor Form:**

Solid all conductors

**Product Name:**

Cable assembly tlc 50 ohm

**Round Conductor Size:**

30 awg all conductors

**Conductor Arrangement And Quantity:**

25 molded

**Special Features:**

Connector housing contains standard pressure copper alloy recept contacts plated with .000030 inch min thick gold over .000050 inch min thick nickle in mating area. P2 connector must mate and match to amp part no. 1-102158-0. P1 and p2 connector housings shall be thermoplastic. The housing is a 50 position header. Pull tabs shall be provided. The cable shall be 50 ohm transmission line cable with 25 signal conds 30 awg silver plated copper, 50 ground conds 32 awg silver plated copper impedance 50 ohm +- 5 ohm. Cap 28 pico-farads per foot . Propagation delay of 14 nanoseconds per foot. Pin 1 is to be clearly identified on p1 and p2. Resistance of the cable assembly shall be less than .21 ohms for signal conds and less than .18 ohms for ground conds. Cable assemblies must be able to withstand 300 vdc between any adjacent signal and/or ground paths. Impedance of cable assembly shall be 50 +- 5 ohms.

**Material:**

Copper core conductor all conductors

**Precious Material And Location:**

Plating on connector ends 0.000030 inches thick gold and plating on all wires silver

**Precious Material:**

Gold and silver

**Surface Treatment:**

Silver core conductor all conductors

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

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