

View Online at <https://aerobasegroup.com/nsn/6145-01-376-2050>

**Cross Sectional Shape:**

Round

**Tempurature Rating:**

-55.0 degrees celsius and 105.0 degrees celsius

**Cross Section Outside Diameter:**

1.070 inches

**Conductor Quantity:**

38

**Color Coding Document:**

C003462-60854 drawing

**Strand Quantity Per Conductor:**

19 all conductors

**Conductor Form:**

Stranded all conductors

**Round Conductor Size:**

22 awg all conductors

**Strand Awg Size Per Conductor:**

34 all conductors

**Conductor Arrangement And Quantity:**

19 twisted pair

**Group Quantity:**

19

**Conductor Grouping Arrangement Type And Quantity:**

1 twisted pair all groups

**Conductor Sequence Within Groups:**

First conductor first group and second conductor first groupthird conductor second group and fourth conductor second groupfifth conductor third group and sixth conductor third groupseventh conductor fourth group and eighth conductor fourth groupninth conductor fifth group and tenth conductor fifth group

**Voltage Rating:**

600.0 root mean square (rms) operating voltage all conductors

**Special Features:**

Sixth grouping arrangement eleventh and twelfth conductors through nineteenth grouping arrangement thirty-seventh and thirty-eighth conductors and each pair has one black wire and one white wire . Outer jacket color may be black or white, black is preferred.Each subcable jacket is individually identified by color stripes on white jackets.

**Material:**

Copper core conductor all conductorsplastic polyvinyl chloride 1st position primary insulation all conductorsplastic polyamide 2nd position jacket all conductorscopper 3rd position shield braid, metallic all groupspastic polyvinyl chloride 4th position jacket all groupscopper 5th position shield braid, metallic cablealuminum 6th position shield foil cable and plastic polyester 6th position shield foil cablecopper 7th position shield braid, metallic cableplastic polyvinyl chloride 8th position jacket cable

**Material Specification:**

Astm b33 assn standard single material response core conductor all conductors

**Nuclear Hardness Critical Feature:**

Hardened

**Surface Treatment:**

tin core conductor all conductorstin 3rd position shield braid, metallic all groupstin 5th position shield braid, metallic cable

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

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