This chart is designed as an aid in sizing the round pendant cable used for the **PUSHBUTTON STATIONS**. Read through and study the chart so that you will see the variations between the different pendant control units.

**EACH STATION** starts with one wire from X1 at the Control transformer, sometimes called the “Common” -add- 1 Wire

For a **MAINTAINED** On-Off switch (Example: PB-STM, PB-STMA, PB-STMB, RPS-6, PB-STMM, SP-M, LS-STMM, LS-6A, LS-6A1) -add- 1 Wire

For a **MOMENTARY** On-Off switch (Example: PB-ST, PB-STA, PB-STB, SP-A) -add- 2 Wires

For each **SINGLE SPEED PAIR** (Example: (2)RB-1, (1)PB-1A, (1)PB-1B, (1)SP-1) -add- 2 Wires

For each **TWO SPEED PAIR** (Example: (2)RB-2A, (1)SP-2) -add- 3 Wires

For each **SPECIAL TWO SPEED PAIR** (Example: SP-2-S) -add- 4 Wires

For each **THREE SPEED PAIR** (Example: PB-3A, PB-3B, SP-3) -add- 4 Wires

For each **FOUR SPEED PAIR** (Example: PB-5A or 5B used as 4 Speed) -add- 5 Wires

For each **FIVE SPEED PAIR** (Example: PB-5A or 5B) -add- 6 Wires

For each **HORN SW., KEY SW., or PILOT** (Example: RPS-MS, RPS-7, RPS-7X, LS-H, LS-MS, LS-PL-x, LS-7) -add- 1 Wire

For each **SELECTOR SW. w/functions A-B, A-Both, A-Both-B,**
   For **Circuit A** -add- 1 Wire
   For **Circuit B** -add- 1 Wire
   For each extra function or interlock required -add- 1 Wire

For **RPB, RPS,** and **J STATIONS,** a **GROUND** wire is required -add- 1 Wire

The round pendant cables come in 3, 4, 8, 12, 16, and 24 conductor sizes. If the calculation above comes out exactly on the number of conductors in a cable, be sure to ask if the customer wants any spares in the cable. If yes, then select the next highest cable size.