

# Fire Wire



## Genesis Series Cables for Fire-Lite Alarms

**Honeywell**

# We've Got a Cable for That!

Genesis Series Cables for Firelite



|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |
| <b>MS-2</b>                                                                       | <b>MS-4</b>                                                                       | <b>MS-5UD-3</b>                                                                   | <b>MS-10UD-7</b>                                                                  | <b>MS-9050UD</b>                                                                   | <b>MS-9200UDLS</b>                                                                  | <b>MS-9600UDLS</b>                                                                  |

|                  |                                                              |   |
|------------------|--------------------------------------------------------------|---|
| <b>DIRECTORY</b> | ANN-BUS.....                                                 | 2 |
|                  | Signaling Line Circuits (SLC).....                           | 3 |
|                  | Conventional 2&4 Wire Initiating Device Circuits (IDC) ..... | 4 |
|                  | Notification Appliance Circuits (NAC) .....                  | 4 |
|                  | Audio Evacuation Systems .....                               | 5 |
|                  | Honeywell Genesis Series Fire Alarm Cables .....             | 6 |

## NEC Article 760 - Fire Alarm Systems

### The scope of this article covers:





- Installation of wiring and equipment of fire alarm systems including all circuits controlled and powered by the fire alarm system. This includes fire detection and alarm notification, guard's tour, sprinkler waterflow and sprinkler supervisory systems
- Circuits controlled and powered by the fire alarm system including circuits for the control of a building system's safety functions, elevator capture, elevator shutdown, door release, smoke doors and damper control, fire doors and damper control and fan shutdown but only where these circuits are powered and controlled by the fire alarm system

### NEC Listings for Power Limited Fire Alarm (PLFA) cables

- FPL: For general use in buildings
- FPLR: For use within buildings in vertical shafts
- FPLP: For use in ducts, plenums or other environmental spaces
- Direct Burial: For use outdoor or underground sunlight resistant



Maximum ANN-BUS Current

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |
| <b>MS-2</b>                                                                       | <b>MS-4</b>                                                                       | <b>MS-5UD-3</b>                                                                   | <b>MS-10UD-7</b>                                                                  | <b>MS-9050UD</b>                                                                   | <b>MS-9200UDLS</b>                                                                  | <b>MS-9600UDLS</b>                                                                  |
|                                                                                   |                                                                                   | <b>0.5 A</b>                                                                      | <b>0.5 A</b>                                                                      | <b>0.5 A</b>                                                                       | <b>0.5 A</b>                                                                        | <b>0.5 A</b>                                                                        |

| TOTAL WORST CASE CURRENT (A) | MAXIMUM WIRING DISTANCE (FT.) |            |            |              |
|------------------------------|-------------------------------|------------|------------|--------------|
|                              | 22 AWG                        | 18 AWG     | 16 AWG     | 14 AWG       |
| 0.1                          | 1,852                         | 4,688      | *6000      | *6000        |
| 0.2                          | 926                           | 2,344      | 3,731      | 5,906        |
| 0.3                          | 617                           | 1,563      | 2,488      | 3,937        |
| 0.4                          | 463                           | 1,172      | 1,866      | 2,953        |
| 0.5                          | 370                           | 938        | 1,493      | 2,362        |
| 0.6                          | 309                           | 781        | 1,244      | 1,969        |
| 0.7                          | 265                           | 670        | 1,066      | 1,687        |
| 0.8                          | 231                           | 586        | 933        | 1,476        |
| 0.9                          | 206                           | 521        | 829        | 1,312        |
| <b>1.0 (Maximum)</b>         | <b>185</b>                    | <b>569</b> | <b>746</b> | <b>1,181</b> |

\*Absolute maximum wiring distance for ANN-BUS circuits.

Wire Requirements

| DESCRIPTION                           | RECOMMENDED GENESIS CABLES |            |             |
|---------------------------------------|----------------------------|------------|-------------|
|                                       | GENERAL PURPOSE FPL        | RISER FPLR | PLENUM FPLP |
| 22 AWG, 4 Solid Conductor, Unshielded | 4101                       | 4301       | -           |
| 18 AWG, 4 Solid Conductor, Unshielded | 4107                       | 4307       | 4507        |
| 16 AWG, 4 Solid Conductor, Unshielded | 4112                       | 4312       | 4512        |
| 14 AWG, 4 Solid Conductor, Unshielded | 4114                       | 4313       | 4513        |



# Signaling Line Circuits (SLC)



|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |
| MS-2                                                                              | MS-4                                                                              | MS-5UD-3                                                                          | MS-10UD-7                                                                         | MS-9050UD                                                                          | MS-9200UDLS                                                                         | MS-9600UDLS                                                                         |

### Wire Requirements

18-12 AWG, Two Solid Copper Conductors

| SLC PROTOCOL | WIRE REQUIREMENTS | DISTANCE IN FEET (M) | MAXIMUM LOOP RESISTANCE | RECOMMENDED GENESIS CABLES |            |             |
|--------------|-------------------|----------------------|-------------------------|----------------------------|------------|-------------|
|              |                   |                      |                         | GENERAL PURPOSE FPL        | RISER FPLR | PLENUM FPLP |
| CLIP         | 18 AWG/Shielded   | 3,225 (983)          | 40 Ohms                 | 4202                       | 4402       | 4602        |
|              | 16 AWG/Shielded   | 4,875 (1,486)        |                         | 4206                       | 4406       | 4606        |
|              | 14 AWG/Shielded   | 8,000 (2,438)        |                         | 4208                       | 4408       | 4608        |
|              | 12 AWG/Shielded   | 10,000 (3,048)       |                         | 4210                       | 4410       | 4610        |
| LITESPEED    | 18 AWG/Unshielded | 3,225 (983)          |                         | 4106                       | 4306       | 4506        |
|              | 16 AWG/Unshielded | 4,875 (1,486)        |                         | 4111                       | 4311       | 4511        |
|              | 14 AWG/Unshielded | 8,000 (2,438)        |                         | 4113                       | 4313       | 4513        |
|              | 12 AWG/Unshielded | 10,000 (3,048)       |                         | 4115                       | 4315       | 4515        |



## backbone

**Make no bones about it. Honeywell Genesis® Series Cable is the foundation for quality installations.**

Even as fire alarm systems grow more advanced, false alarms and failed emergency notification underscore the importance of system reliability.

At Honeywell, we know that failure isn't an option and see fire alarm cable for what it really is...the backbone of safety, reliability and your reputation. That's why you need to choose the best cable for the job every time. Honeywell's Genesis Series fire alarm cables are engineered and manufactured with superior workmanship to meet your customer's demands for safe, reliable, and error-free emergency detection and notification. What's more, it's backed by the industry's only 3-for-1 guarantee. When it comes to performance, reliability and service, we've got your back.

**Insist on quality and reliability you can trust. Insist on Honeywell Genesis Series Cable.**

Honeywell Genesis Series Fire Alarm Cables are 100% UL listed and proudly produced in Pleasant Prairie, WI USA.  
\*See website for details.

For more information please call **1-800-222-0060** or visit [www.honeywellcable.com](http://www.honeywellcable.com)



## Conventional 2&4 Wire Initiating Device Circuits (IDC)










|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |
| <b>MS-2</b>                                                                       | <b>MS-4</b>                                                                       | <b>MS-5UD-3</b>                                                                   | <b>MS-10UD-7</b>                                                                  | <b>MS-9050UD</b>                                                                   | <b>MS-9200UDLS</b>                                                                  | <b>MS-9600UDLS</b>                                                                  |

|                | AWG    | DCR AT 75C (OHMS/MFT) | MAXIMUM DISTANCE (FT.) | RECOMMENDED GENESIS CABLES |            |             |
|----------------|--------|-----------------------|------------------------|----------------------------|------------|-------------|
|                |        |                       |                        | GENERALPURPOSE FPL         | RISER FPLR | PLENUM FPLP |
| 2-Wire Devices | 18 AWG | 7.77                  | 6,435                  | 4106                       | 4306       | 4506        |
|                | 16 AWG | 4.89                  | 10,225                 | 4111                       | 4311       | 4511        |
|                | 14 AWG | 3.07                  | 16,287                 | 4113                       | 4313       | 4513        |
|                | 12 AWG | 1.93                  | 25,907                 | 4115                       | 4315       | 4515        |
| 4-Wire Devices | 18 AWG | 7.77                  | 6,435                  | 4107                       | 4307       | 4507        |
|                | 16 AWG | 4.89                  | 10,225                 | 4112                       | 4312       | 4512        |
|                | 14 AWG | 3.07                  | 16,287                 | 4114                       | 4313       | 4513        |

*Note: Maximum distances based on circuit current of 100mA and maximum loop resistance of 100 Ohms.*

## Notification Appliance Circuits (NAC)

|  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>MS-2</b>                                                                         | <b>MS-4</b>                                                                         | <b>MS-5UD-3</b>                                                                     | <b>MS-10UD-7</b>                                                                    | <b>MS-9050UD</b>                                                                     | <b>MS-9200UDLS</b>                                                                    | <b>MS-9600UDLS</b>                                                                    |
| NUMBER OF NAC CIRCUITS                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| 1                                                                                   | 2                                                                                   | 4                                                                                   | 4                                                                                   | 2                                                                                    | 4                                                                                     | 4                                                                                     |
| MAXIMUM CURRENT PER NAC CIRCUIT (A)                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| 2.5                                                                                 | 2.5                                                                                 | 2.5                                                                                 | 3.0                                                                                 | 2.5                                                                                  | 2.5                                                                                   | 3.0                                                                                   |
| MAXIMUM CONTROL PANEL CURRENT (A)                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| 3.0                                                                                 | 6.0                                                                                 | 3.0                                                                                 | 7.0                                                                                 | 2.5                                                                                  | 6.0                                                                                   | 7.0                                                                                   |

| MAXIMUM CLASS-B WIRING DISTANCE** (FT.) |        |       |       |       |       | RECOMMENDED GENESIS CABLES |            |             |
|-----------------------------------------|--------|-------|-------|-------|-------|----------------------------|------------|-------------|
| Load                                    | 0.5 A  | 1.0 A | 1.5 A | 2.0 A | 2.5 A | GENERAL PURPOSE FPL        | RISER FPLR | PLENUM FPLP |
| Max. Total Loop R                       | 6.60   | 3.30  | 2.20  | 1.65  | 1.32  |                            |            |             |
| AWG                                     | 18 AWG | 425   | 212   | 142   | 106   | 4106                       | 4306       | 4506        |
|                                         | 16 AWG | 675   | 337   | 225   | 169   | 4111                       | 4311       | 4511        |
|                                         | 14 AWG | 1075  | 537   | 358   | 269   | 4113                       | 4313       | 4513        |
|                                         | 12 AWG | 1710  | 855   | 570   | 427   | 4115                       | 4315       | 4515        |

\*\* Calculations are based on Direct-Current Resistance data for uncoated copper wire, per National Electrical Code (2005 Edition) Table 8, Conductor Properties.

# Audio Evacuation Systems

 **FIRE-LITE® ALARMS**  
by Honeywell



| >25 W REQUIRES EXPANSION MODULE |       |            |       |                        |        |        |        |
|---------------------------------|-------|------------|-------|------------------------|--------|--------|--------|
| NO. OF SPEAKERS                 |       | TOTAL LOAD |       | MAXIMUM DISTANCE (FT.) |        |        |        |
| @ 1/2 W                         | @ 1 W | VRMS       | WATTS | 18 AWG                 | 16 AWG | 14 AWG | 12 AWG |
| 10                              | 50    | 25 Vrms    | 5 W   | 3,900                  | 6,200  | 9,860  | 15,680 |
| 20                              | 10    | 25 Vrms    | 10 W  | 2,125                  | 3,380  | 5,375  | 8,540  |
| 30                              | 15    | 25 Vrms    | 15 W  | 1,460                  | 2,320  | 3,690  | 5,870  |
| 40                              | 20    | 25 Vrms    | 20 W  | 1,100                  | 1,750  | 2,780  | 4,420  |
| 52                              | 26    | 25 Vrms    | 26 W  | 760                    | 1,200  | 1,920  | 3,050  |
| 80                              | 40    | 25 Vrms    | 40 W  | 550                    | 875    | 1,390  | 2,200  |
| 100                             | 50    | 25 Vrms    | 50 W  | 450                    | 715    | 1,130  | 1,800  |

| 70V OPERATION REQUIRES A CONVERTER |       |            |       |                        |        |        |         |
|------------------------------------|-------|------------|-------|------------------------|--------|--------|---------|
| NO. OF SPEAKERS                    |       | TOTAL LOAD |       | MAXIMUM DISTANCE (FT.) |        |        |         |
| @ 1/2 W                            | @ 1 W | VRMS       | WATTS | 18 AWG                 | 16 AWG | 14 AWG | 12 AWG  |
| 10                                 | 50    | 70 Vrms    | 5 W   | 25,000                 | 39,700 | 63,200 | 100,520 |
| 20                                 | 10    | 70 Vrms    | 10 W  | 15,200                 | 24,150 | 38,400 | 61,100  |
| 30                                 | 15    | 70 Vrms    | 15 W  | 11,000                 | 17,500 | 27,800 | 44,200  |
| 40                                 | 20    | 70 Vrms    | 20 W  | 8,500                  | 13,510 | 21,500 | 34,175  |
| 52                                 | 26    | 70 Vrms    | 26 W  | 6,100                  | 9,700  | 15,400 | 24,520  |
| 80                                 | 40    | 70 Vrms    | 40 W  | 4,100                  | 6,500  | 10,360 | 16,480  |
| 100                                | 50    | 70 Vrms    | 50 W  | 3,500                  | 5,560  | 8,850  | 14,070  |

| DESCRIPTION                           | RECOMMENDED GENESIS CABLES |            |             |
|---------------------------------------|----------------------------|------------|-------------|
|                                       | GEN. PURPOSE FPL           | RISER FPLR | PLENUM FPLP |
| 18 AWG, 2 Solid Conductor, Unshielded | 4106                       | 4306       | 4506        |
| 16 AWG, 2 Solid Conductor, Unshielded | 4111                       | 4311       | 4511        |
| 14 AWG, 2 Solid Conductor, Unshielded | 4113                       | 4313       | 4513        |

# Fire Alarm Cables

| 18 AWG UNSHIELDED                   |        |         |                      |                   |        |
|-------------------------------------|--------|---------|----------------------|-------------------|--------|
| AWG                                 | # COND | SOL/STR | DC RESISTANCE (OHMS) | NOM. CAP. (PF/FT) | PART # |
| <b>GENERAL PURPOSE - FPL LISTED</b> |        |         |                      |                   |        |
| 18                                  | 2      | SOL     | 6.5                  | 20                | 4106   |
| 18                                  | 4      | SOL     | 6.5                  | 20                | 4107   |
| <b>RISER RATED - FPLR LISTED</b>    |        |         |                      |                   |        |
| 18                                  | 2      | SOL     | 6.5                  | 19                | 4306   |
| 18                                  | 4      | SOL     | 6.5                  | 19                | 4307   |
| <b>PLENUM RATED - FPLP LISTED</b>   |        |         |                      |                   |        |
| 18                                  | 2      | SOL     | 6.5                  | 24                | 4506   |
| 18                                  | 4      | SOL     | 6.5                  | 24                | 4507   |

| 18 AWG SHIELDED                     |        |         |                      |                   |        |
|-------------------------------------|--------|---------|----------------------|-------------------|--------|
| AWG                                 | # COND | SOL/STR | DC RESISTANCE (OHMS) | NOM. CAP. (PF/FT) | PART # |
| <b>GENERAL PURPOSE - FPL LISTED</b> |        |         |                      |                   |        |
| 18                                  | 2      | SOL     | 6.5                  | 42                | 4202   |
| 18                                  | 4      | SOL     | 6.5                  | 42                | 4203   |
| <b>RISER RATED - FPLR LISTED</b>    |        |         |                      |                   |        |
| 18                                  | 2      | SOL     | 6.5                  | 42                | 4402   |
| 18                                  | 4      | SOL     | 6.5                  | 42                | 4203   |
| <b>PLENUM RATED - FPLP LISTED</b>   |        |         |                      |                   |        |
| 18                                  | 2      | SOL     | 6.5                  | 68                | 4602   |
| 18                                  | 4      | SOL     | 6.5                  | 68                | 4603   |

| 16 AWG UNSHIELDED                   |        |         |                      |                   |        |
|-------------------------------------|--------|---------|----------------------|-------------------|--------|
| AWG                                 | # COND | SOL/STR | DC RESISTANCE (OHMS) | NOM. CAP. (PF/FT) | PART # |
| <b>GENERAL PURPOSE - FPL LISTED</b> |        |         |                      |                   |        |
| 16                                  | 2      | SOL     | 4.2                  | 20                | 4111   |
| 16                                  | 4      | SOL     | 4.2                  | 20                | 4112   |
| <b>RISER RATED - FPLR LISTED</b>    |        |         |                      |                   |        |
| 16                                  | 2      | SOL     | 4.1                  | 20                | 4311   |
| 16                                  | 4      | SOL     | 4.2                  | 20                | 4312   |
| <b>PLENUM RATED - FPLP LISTED</b>   |        |         |                      |                   |        |
| 16                                  | 2      | SOL     | 4.2                  | 27                | 4511   |
| 16                                  | 4      | SOL     | 4.1                  | 27                | 4512   |

| 16 AWG SHIELDED                     |        |         |                      |                   |        |
|-------------------------------------|--------|---------|----------------------|-------------------|--------|
| AWG                                 | # COND | SOL/STR | DC RESISTANCE (OHMS) | NOM. CAP. (PF/FT) | PART # |
| <b>GENERAL PURPOSE - FPL LISTED</b> |        |         |                      |                   |        |
| 16                                  | 2      | SOL     | 4.1                  | 46                | 4206   |
| 16                                  | 4      | SOL     | 4.1                  | 46                | 4207   |
| <b>RISER RATED - FPLR LISTED</b>    |        |         |                      |                   |        |
| 16                                  | 2      | SOL     | 4.1                  | 46                | 4406   |
| 16                                  | 4      | SOL     | 4.1                  | 46                | 4407   |
| <b>PLENUM RATED - FPLP LISTED</b>   |        |         |                      |                   |        |
| 16                                  | 2      | SOL     | 4.1                  | 77                | 4606   |
| 16                                  | 4      | SOL     | 4.1                  | 77                | 4607   |

| 14 AWG UNSHIELDED                   |        |         |                      |                   |        |
|-------------------------------------|--------|---------|----------------------|-------------------|--------|
| AWG                                 | # COND | SOL/STR | DC RESISTANCE (OHMS) | NOM. CAP. (PF/FT) | PART # |
| <b>GENERAL PURPOSE - FPL LISTED</b> |        |         |                      |                   |        |
| 14                                  | 2      | SOL     | 2.6                  | 22                | 4113   |
| 14                                  | 4      | SOL     | 2.6                  | 22                | 4114   |
| <b>RISER RATED - FPLR LISTED</b>    |        |         |                      |                   |        |
| 14                                  | 2      | SOL     | 2.5                  | 22                | 4313   |
| 14                                  | 4      | SOL     | 2.5                  | 22                | 4314   |
| <b>PLENUM RATED - FPLP LISTED</b>   |        |         |                      |                   |        |
| 14                                  | 2      | SOL     | 2.5                  | 27                | 4513   |
| 14                                  | 4      | SOL     | 2.5                  | 27                | 4514   |

| 14 AWG SHIELDED                     |        |         |                      |                   |        |
|-------------------------------------|--------|---------|----------------------|-------------------|--------|
| AWG                                 | # COND | SOL/STR | DC RESISTANCE (OHMS) | NOM. CAP. (PF/FT) | PART # |
| <b>GENERAL PURPOSE - FPL LISTED</b> |        |         |                      |                   |        |
| 14                                  | 2      | SOL     | 2.5                  | 52                | 4208   |
| 14                                  | 4      | SOL     | 2.5                  | 52                | 4209   |
| <b>RISER RATED - FPLR LISTED</b>    |        |         |                      |                   |        |
| 14                                  | 2      | SOL     | 2.5                  | 52                | 4408   |
| 14                                  | 4      | SOL     | 2.5                  | 52                | 4409   |
| <b>PLENUM RATED - FPLP LISTED</b>   |        |         |                      |                   |        |
| 14                                  | 2      | SOL     | 2.5                  | 86                | 4608   |
| 14                                  | 4      | SOL     | 2.5                  | 86                | 4609   |

| 12 AWG UNSHIELDED                   |        |         |                      |                   |        |
|-------------------------------------|--------|---------|----------------------|-------------------|--------|
| AWG                                 | # COND | SOL/STR | DC RESISTANCE (OHMS) | NOM. CAP. (PF/FT) | PART # |
| <b>GENERAL PURPOSE - FPL LISTED</b> |        |         |                      |                   |        |
| 12                                  | 2      | SOL     | 1.6                  | 22                | 4115   |
| <b>RISER RATED - FPLR LISTED</b>    |        |         |                      |                   |        |
| 12                                  | 2      | SOL     | 2.5                  | 22                | 4315   |
| <b>PLENUM RATED - FPLP LISTED</b>   |        |         |                      |                   |        |
| 12                                  | 2      | SOL     | 1.6                  | 30                | 4515   |

| 12 AWG SHIELDED                     |        |         |                      |                   |        |
|-------------------------------------|--------|---------|----------------------|-------------------|--------|
| AWG                                 | # COND | SOL/STR | DC RESISTANCE (OHMS) | NOM. CAP. (PF/FT) | PART # |
| <b>GENERAL PURPOSE - FPL LISTED</b> |        |         |                      |                   |        |
| 12                                  | 2      | SOL     | 1.6                  | 56                | 4210   |
| <b>RISER RATED - FPLR LISTED</b>    |        |         |                      |                   |        |
| 12                                  | 2      | SOL     | 1.7                  | 56                | 4410   |
| <b>PLENUM RATED - FPLP LISTED</b>   |        |         |                      |                   |        |
| 12                                  | 2      | SOL     | 1.6                  | 96                | 4610   |

## Mid. Capacitance Fire Alarm Cables

| MID. CAPACITANCE CABLES - UNSHIELDED |        |         |                      |                   |        |
|--------------------------------------|--------|---------|----------------------|-------------------|--------|
| AWG                                  | # COND | SOL/STR | DC RESISTANCE (OHMS) | NOM. CAP. (PF/FT) | PART # |
| <b>RISER RATED - FPLR LISTED</b>     |        |         |                      |                   |        |
| 18                                   | 2      | SOL     | 6.3                  | 15                | 4431   |
| 16                                   | 2      | SOL     | 4.0                  | 17                | 4432   |
| 12                                   | 2      | SOL     | 1.6                  | 22                | 4434   |

| MID. CAPACITANCE CABLES - SHIELDED |        |         |                      |                   |        |
|------------------------------------|--------|---------|----------------------|-------------------|--------|
| AWG                                | # COND | SOL/STR | DC RESISTANCE (OHMS) | NOM. CAP. (PF/FT) | PART # |
| <b>RISER RATED - FPLR LISTED</b>   |        |         |                      |                   |        |
| 18                                 | 2      | SOL     | 6.3                  | 34                | 4441   |
| 16                                 | 2      | SOL     | 4.0                  | 38                | 4442   |
| 14                                 | 2      | SOL     | 2.6                  | 41                | 4443   |
| 12                                 | 2      | SOL     | 1.6                  | 48                | 4444   |

\* For complete cable selection, including Direct Burial and NYC LL5 rated cable, see pages 35-44 in the Honeywell Cable and Custom Electronics catalog.



All Honeywell fire alarm cables are proudly produced in Pleasant Prairie, WI USA.



Honeywell's Genesis Series low voltage wire and cable is produced with innovative equipment and technology. Our leading edge production facility, located in Pleasant Prairie, Wisconsin enables Honeywell to produce the highest quality and cost effective thermostat, electronic, security, fire, sound, voice, data and video wire and cable.

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See our full line catalog or visit [www.honeywellcable.com](http://www.honeywellcable.com) to see our full product listing of low voltage wire and cable.

- Thermostat
- Electronic Shielded and Unshielded
- Fire
- Security
- Sound
- Video
- Voice & Data
- And Much More!

**For more information:**

[www.honeywellcable.com](http://www.honeywellcable.com)

[www.firelite.com](http://www.firelite.com)

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