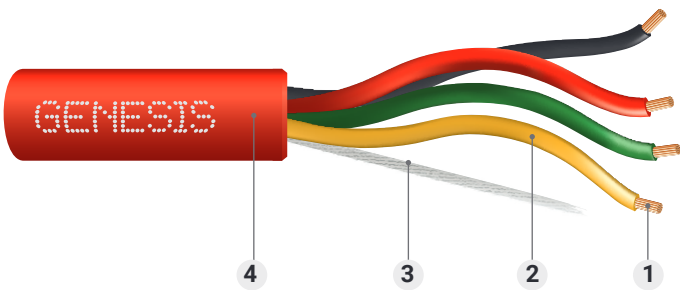


# Fire Alarm Unshielded Cable Plenum

**-GENESIS-**

Genesis Fire Alarm Cables ensure uninterrupted fire protection. Built to exceed the demands of rigorous fire safety codes and regulations, UL listed, and Made in the USA.



### Construction

- 1. Conductor:** Bare Copper conductors for excellent conductivity and low voltage drop
- 2. Insulation:** Low-Smoke PVC
- 3. Rip Cord:** Durable rip cord for efficient jacket stripping and removal
- 4. Jacket:** Plenum PVC  
Countdown® Length Markings for easy tracking of usage and remaining cable

### Applications

- In fabricated ducts as described in NEC 300.22(B)
- In other spaces used for environmental air as described in NEC 300.22(C)
- In risers
- Within buildings in other than air-handling spaces and risers

### Specifications

- NFPA 262 – Plenum Rated
- CSA C22.2 No. 2556 – FT6 Rated
- UL 444 – Communication Cables, Type CMP (22 AWG – 16 AWG)
- UL 1424 – Cables for Power-Limited Fire-Alarm Circuits, Type FPLP
- UL 13 – Power-Limited Circuit Cables, Type CL3P
- REACH/RoHS Compliant
- Rated for 300 Volts
- Rated for -20°C to 75°C

| Conductor Color Codes: Fire Alarm Cable |        |                                                                                       |
|-----------------------------------------|--------|---------------------------------------------------------------------------------------|
| Conductor Number                        | Color  |                                                                                       |
| 1                                       | Black  |  |
| 2                                       | Red    |  |
| 3                                       | Green  |  |
| 4                                       | Yellow |  |
| 5                                       | Brown  |  |
| 6                                       | Blue   |  |
| Except for 4526 and 4527                | Red    |  |
|                                         | Green  |  |
|                                         | Black  |  |
|                                         | White  |  |

### Sample Print Legend

GENESIS P/N 45XX XC XXAWG E175105 (UL) FPLP OR CL3P OR CMP C(UL)US FT6 75C  
(RoHS) W/O #XXXXXX-XXXXXX XXXX FT DEVICE/ZONE A B C D E F 1 2 3 4 5 6 7 8 9

| Fire Alarm Unshielded Cable, Plenum |                      |                      |           |                            |                        |                        |                                        |                      |                       |
|-------------------------------------|----------------------|----------------------|-----------|----------------------------|------------------------|------------------------|----------------------------------------|----------------------|-----------------------|
| Part Number                         | Conductor Size (AWG) | Number of Conductors | Stranding | Insulation Thickness (in.) | Jacket Thickness (in.) | Nominal Diameter (in.) | DC Resistance (Ohms/1000 ft. at 20 °C) | Capacitance (pF/ft.) | Weight (lbs./1000ft.) |
| 4506                                | 18                   | 2                    | Solid     | 0.006                      | 0.015                  | 0.134                  | 6.52                                   | 32.1                 | 14.9                  |
| 4507                                | 18                   | 4                    | Solid     | 0.006                      | 0.015                  | 0.155                  | 6.52                                   | 32.1                 | 26.5                  |
| 4508                                | 18                   | 6                    | Solid     | 0.006                      | 0.015                  | 0.176                  | 6.52                                   | 32.1                 | 38.1                  |
| 4511                                | 16                   | 2                    | Solid     | 0.006                      | 0.015                  | 0.165                  | 4.1                                    | 21.8                 | 22.8                  |
| 4512                                | 16                   | 4                    | Solid     | 0.006                      | 0.015                  | 0.193                  | 4.1                                    | 21.8                 | 41.5                  |
| 4513                                | 14                   | 2                    | Solid     | 0.006                      | 0.015                  | 0.190                  | 2.57                                   | 24.1                 | 33.4                  |
| 4514                                | 14                   | 4                    | Solid     | 0.006                      | 0.015                  | 0.223                  | 2.57                                   | 24.1                 | 62.2                  |
| 4515                                | 12                   | 2                    | Solid     | 0.006                      | 0.015                  | 0.225                  | 1.62                                   | 25.9                 | 50.0                  |
| 4523                                | 16                   | 2                    | 19-strand | 0.006                      | 0.015                  | 0.172                  | 4.19                                   | 34.6                 | 23.3                  |
| 4526                                | 16                   | 4                    | 19-strand | 0.006                      | 0.015                  | 0.201                  | 4.19                                   | 34.6                 | 42.3                  |
| 4522                                | 14                   | 2                    | 19-strand | 0.006                      | 0.015                  | 0.208                  | 2.62                                   | 36.0                 | 35.0                  |
| 4527                                | 14                   | 4                    | 19-strand | 0.006                      | 0.015                  | 0.245                  | 2.62                                   | 36.0                 | 64.9                  |
| 4521                                | 12                   | 2                    | 65-strand | 0.006                      | 0.015                  | 0.242                  | 1.65                                   | 36.0                 | 52.7                  |

**Genesis Cable**  
 7701 95th Street  
 Pleasant Prairie, WI 53158  
 Office: 800.222.0060  
[www.genescable.com](http://www.genescable.com)



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