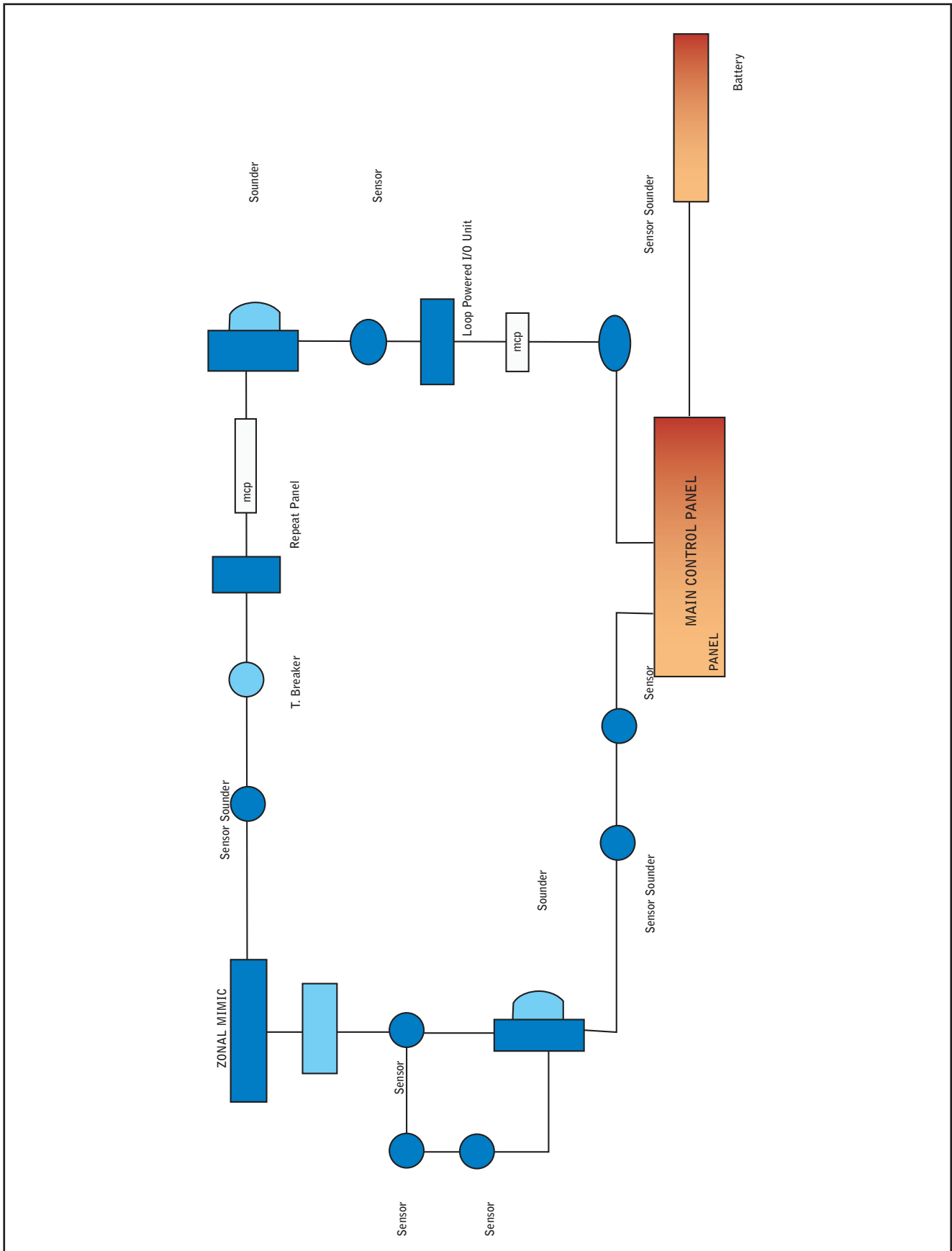


# SYSTEM CABLES



**M E S C**  
SPECIALIZED CABLES

# FIRE ALARM SYSTEM



## FIRE ALARM SYSTEM

### FIRE ALARM CABLES (SHIELDED & UNSHIELDED) 105°C (UL 1424) POWER LIMITED FIRE PROTECTIVE SIGNALLING CIRCUIT CABLES 300 V

|                                       |
|---------------------------------------|
|                                       |
| FIRE ALARM CABLE (UL) FPLR MES C 2005 |

**Application :** Can be used as a fixed wiring within buildings in accordance with NEC Article 760 Power limited circuits. Also suitable as a power limited circuit cable in accordance with NEC Article 725 class 2 or 3 circuits.

### Construction

- **Conductor** : Solid Annealed Copper Conductor as per ASTM B 3.
- **Insulation** : Extruded Solid PVC rated 105°C.
- **Assembly** : Colour coded insulated cores cabled. When the assembly is shielded an Aluminium Mylar Tape is used with a stranded tinned copper drain wire in contact with Aluminium part of the screen.
- **Jacket** : Red Coloured PVC jacketed passes the IEEE- 383 Flame Test.

### COLOUR CODE

| No. of Conductors | Colour | No. of Conductors | Colour |
|-------------------|--------|-------------------|--------|
| 1                 | Black  | 4                 | Blue   |
| 2                 | Red    | 5                 | Brown  |
| 3                 | Yellow | 6                 | Orange |

### UNSHIELDED CABLES

| Order No. | MES C CODE              | Size AWG | CORES NO. | Strands X diameter No. X mm | Insulation thickness mm | Sheath thickness mm | Approx. O. D. mm | Approx. Weight Kg / Km | Packing |
|-----------|-------------------------|----------|-----------|-----------------------------|-------------------------|---------------------|------------------|------------------------|---------|
| 41001     | 4111-02C18AWG-U ORD6-00 | 18       | 2         | 1 x 1.02                    | 0.38                    | 0.89                | 5.7              | 42                     | C,6     |
| 41002     | 4111-02C16AWG-U ORD6-00 | 16       | 2         | 1 x 1.29                    | 0.38                    | 0.89                | 6.2              | 55                     | C,6     |
| 41003     | 4111-02C14AWG-U ORD6-00 | 14       | 2         | 1 x 1.63                    | 0.51                    | 1.01                | 7.7              | 84                     | 8,6     |
| 41004     | 4111-02C12AWG-U ORD6-00 | 12       | 2         | 1 x 2.05                    | 0.51                    | 1.01                | 8.6              | 113                    | 8,6     |

### SHIELDED CABLES

| Order No. | MES C CODE              | Size AWG | CORES NO. | Strands X diameter No. X mm | Insulation thickness mm | Sheath thickness mm | Approx. O. D. mm | Approx. Weight Kg / Km | Packing |
|-----------|-------------------------|----------|-----------|-----------------------------|-------------------------|---------------------|------------------|------------------------|---------|
| 42001     | 4211-02C18AWG-U ORD6-00 | 18       | 2         | 1 x 1.02                    | 0.38                    | 0.89                | 6.1              | 53                     | C,6     |
| 42002     | 4211-02C16AWG-U ORD6-00 | 16       | 2         | 1 x 1.29                    | 0.38                    | 0.89                | 6.6              | 66                     | C,6     |
| 42003     | 4211-02C14AWG-U ORD6-00 | 14       | 2         | 1 x 1.63                    | 0.51                    | 1.01                | 8.1              | 106                    | 8,6     |
| 42004     | 4211-02C12AWG-U ORD6-00 | 12       | 2         | 1 x 2.05                    | 0.51                    | 1.01                | 9.0              | 136                    | 8,6     |
| 42005     | 4211-04C18AWG-U ORD6-00 | 18       | 4         | 1 x 1.02                    | 0.38                    | 0.89                | 6.8              | 78                     | 8,6     |
| 42006     | 4211-04C16AWG-U ORD6-00 | 16       | 4         | 1 x 1.29                    | 0.38                    | 0.89                | 7.7              | 107                    | 8,6     |
| 42007     | 4211-04C14AWG-U ORD8-00 | 14       | 4         | 1 x 1.63                    | 0.51                    | 1.01                | 9.3              | 163                    | 8       |
| 42008     | 4211-04C12AWG-U ORD8-00 | 12       | 4         | 1 x 2.05                    | 0.51                    | 1.01                | 10.8             | 233                    | 8       |

Packing : 6 ∅ 1000 ft Reel.  
C ∅ 1000 mtr Reel.  
8 ∅ 1000 mtr Drum.