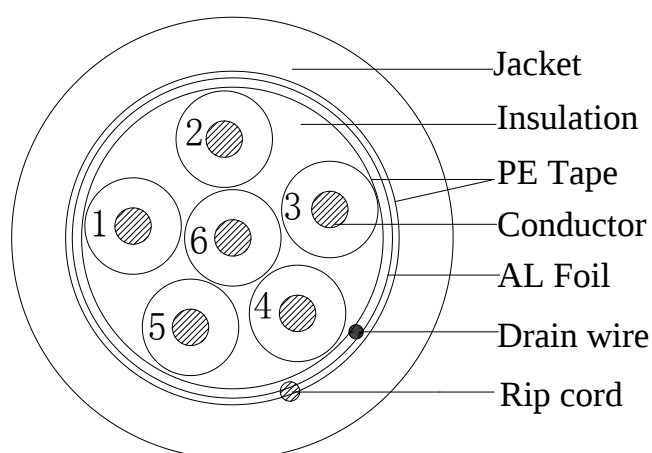




## PRODUCT SPECIFICATIONS

|                      |         |                                                                  |         |              |          |
|----------------------|---------|------------------------------------------------------------------|---------|--------------|----------|
| PART#: 18/6SH-GY-500 |         | DESCRIPTION: 6C/18 AWG STRANDED SHIELDED PVC-GRAY- 1000 FT SPOOL |         |              |          |
| Edition              | A       | Established Date                                                 | 04/2013 | Revised Date | 02/2014  |
| Approval             | Richard | Checked                                                          | John    | Finish       | Jennifer |



**Standard:** UL 444 & UL 13, NEC Article 760 & NEC Article 725

**Application:** Security Cable for Outdoor

### Construction Characters:

|                   |                |                                             |
|-------------------|----------------|---------------------------------------------|
| <b>Conductor</b>  | Material       | Stranded Bare Copper                        |
|                   | Size           | 18AWG X 6C                                  |
|                   | Construction   | 16/0.24±0.004mm                             |
| <b>Insulation</b> | Material       | PVC                                         |
|                   | Min. Thickness | 0.27mm                                      |
|                   | AVG. Thickness | 0.30mm                                      |
|                   | Diameter       | 1.70±0.05mm                                 |
|                   | Colors         | Black & Red & White<br>Green & Blue & Brown |
| <b>Shield</b>     | Core wrap      | PE Tape                                     |
|                   | Drain wire(TC) | 7/0.20±0.004mm                              |
|                   | Shield         | AL Foil                                     |
|                   | Core wrap      | PE Tape                                     |
| <b>Jacket</b>     | Material       | PVC                                         |
|                   | AVG. Thickness | 0.55mm                                      |

|               |                |             |
|---------------|----------------|-------------|
| <b>Jacket</b> | Min. Thickness | 0.50mm      |
|               | Diameter       | 6.50±0.10mm |
|               | Rip Cord       | Nylon       |
|               | Colors         | Per request |

## Electrical & Physical Characters

|                                                                                                                                                                                                                        |        |                       |                         |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------|-------------------------|---------------------|
| rating                                                                                                                                                                                                                 |        |                       | 75℃ 300V                |                     |
| Conductor Resistance                                                                                                                                                                                                   |        |                       | Max 24.4ohm/km at 20℃   |                     |
| Dielectric Strength                                                                                                                                                                                                    |        |                       | Min AC1.5KV             |                     |
| AC Leakage Current Through overall Jacket                                                                                                                                                                              |        |                       | AC 1500V ≤10mA          |                     |
| Twists per foot                                                                                                                                                                                                        |        |                       | 3.0                     |                     |
| Insulation                                                                                                                                                                                                             | Unaged | Tensile Strength      | 13.8 Mpa                |                     |
|                                                                                                                                                                                                                        |        | Elongation            | 150%                    |                     |
|                                                                                                                                                                                                                        | Aged   | Tensile Strength      | 11.7 Mpa(100℃ 168h)     |                     |
|                                                                                                                                                                                                                        |        | Elongation            | 80%(100℃ 168h)          |                     |
| Jacket                                                                                                                                                                                                                 | Unaged | Tensile Strength      | 13.8 Mpa                |                     |
|                                                                                                                                                                                                                        |        | Elongation            | 150%                    |                     |
|                                                                                                                                                                                                                        | Aged   | Tensile Strength      | 11.7 Mpa(100℃ 168h)     |                     |
|                                                                                                                                                                                                                        |        | Elongation            | 80%(100℃ 168h)          |                     |
| Cold Bend Test                                                                                                                                                                                                         |        |                       | -20℃ 4hours No Cracking |                     |
| <b>Marking:</b><br>STRUCTURED CABLE PRODUCTS --- P/N 18/6SH --- 6 COND 18 AWG<br>STRANDED SHIELDED TYPE CMR/CL2R FT4 75C -- (UL) OR C(UL)<br>E198137 CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5<br>6 7 8 9 XXXXFT |        |                       |                         |                     |
| <b>Packaging:</b>                                                                                                                                                                                                      |        |                       |                         |                     |
| Approx. Weight(kg)                                                                                                                                                                                                     |        | Approx. Dimension(mm) | package                 | Packages per Pallet |
| 23.85                                                                                                                                                                                                                  |        | 370X200X150X12        | 1000 ft/Spool           | 45/36               |