



# Structured Cable Products™

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www.scpcat5e.com  
 sales@scpcat5e.com  
 Direct: 954-327-5770  
 Toll Free: 866-470-5742

## SCP PART#: CTRL-2

### Description:

UNIVERSAL CONTROL CABLE- 2C/16 AWG STRANDED BC  
 + 2C/22 AWG STRANDED BC w/AL FOIL SHIELD + DRAIN,  
 UL CM, EN50575:2014 Eca, PVC JKT- YELLOW- 500FT/152M SPOOL

### Standard:

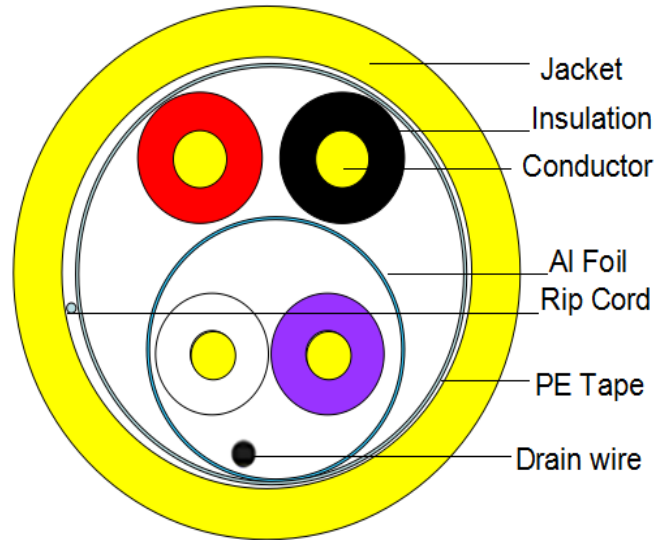
UL 444 & UL 13, Type (UL) CM, CMG/CL c(UL)  
 EU RoHS 2011/65 EU Compliant  
 EN50575:2014 REACTION TO FIRE CLASS Eca

### Application:

Universal Control Cable

### Construction Characteristics:

|                 |                |                      |
|-----------------|----------------|----------------------|
| Conductor A     | Material       | Stranded Bare Copper |
|                 | Size           | 16AWG X 2C           |
|                 | Construction   | 26/0.254+/-0.004mm   |
| Insulation      | Material       | PVC                  |
|                 | Min.Thickness  | 0.24mm               |
|                 | AVG.Thickness  | 0.26mm               |
|                 | Diameter       | 2.10+/-0.05mm        |
|                 | Colors         | Black & Red          |
| Conductor 1P    | Material       | Stranded Bare Copper |
|                 | Size           | 22AWG X 2C           |
|                 | Construction   | 7/0.254+/-0.004mm    |
| Insulation      | Material       | FPE                  |
|                 | Min.Thickness  | 0.56mm               |
|                 | AVG.Thickness  | 0.60mm               |
|                 | Diameter       | 2.00+/-0.05mm        |
|                 | Colors         | Purple & White       |
| Shield          | Drain wire(TC) | 7/0.20+/-0.004mm     |
|                 | Shield         | AL Foil              |
| Assembly(2C+1P) | Core wrap      | PE Tape              |
| Jacket          | Material       | PVC                  |
|                 | AVG.Thickness  | 0.85mm               |
|                 | Min.Thickness  | 0.70mm               |
|                 | Diameter       | 70+/-0.20mm          |
|                 | Rip Cord       | Nylon                |
|                 | Color          | Yellow               |
| Bend Radius     |                | Min 20D/140mm        |



### Electrical & Physical Characteristics:

|                               |        |                        |                     |
|-------------------------------|--------|------------------------|---------------------|
| Operating Temperature Range   |        | - 20°C + 70°C          |                     |
| Conductor Resistance(16AWG)   |        | Max 15.5ohm/km at 20°C |                     |
| Conductor Resistance(22AWG)   |        | Max 53.5ohm/km at 20°C |                     |
| Rated Voltage                 |        | Max 300Volts           |                     |
| 16AWG Core/Core Capacitance   |        | 145 ± 30 pf/m          |                     |
| 22AWG Core/Core Capacitance   |        | 40 ± 15 pf/m           |                     |
| 22AWG Core/Screen Capacitance |        | 90 ± 30 pf/m           |                     |
| Dielectric Strength           |        | Min AC1.5KV            |                     |
| Insulation<br>PVC             | Unaged | Tensile Strenght       | 13.8Mpa             |
|                               |        | Elongation             | 100%                |
|                               | Aged   | Tensile Strenght       | 11.7Mpa(100°C 168h) |
|                               |        | Elongation             | 50%(100°C 168h)     |
| Jacket                        | Unaged | Tensile Strenght       | 13.8Mpa             |
|                               |        | Elongation             | 100%                |
|                               | Aged   | Tensile Strenght       | 11.7Mpa(100°C 168h) |
|                               |        | Elongation             | 50%(100°C 168h)     |

### Marking:

STRUCTURED CABLE PRODUCTS --- CTRL-2 --- E198137 SCP3 (UL) CL2 C(UL) CM 2C/22AWG STR SHIELDED W/DRAIN  
 + 2C/16AWG STR EN50575:2014 CE Eca PVC JKT RoHS ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 \*\*\*M

### Packaging:

|                  |                      |                  |                     |
|------------------|----------------------|------------------|---------------------|
| Approx.Weight    | Approx.Dimension(mm) | Package          | Packages per pallet |
| 10.1kgs/22.27lbs | 270X240X160          | 500ft/152m Spool | 64                  |