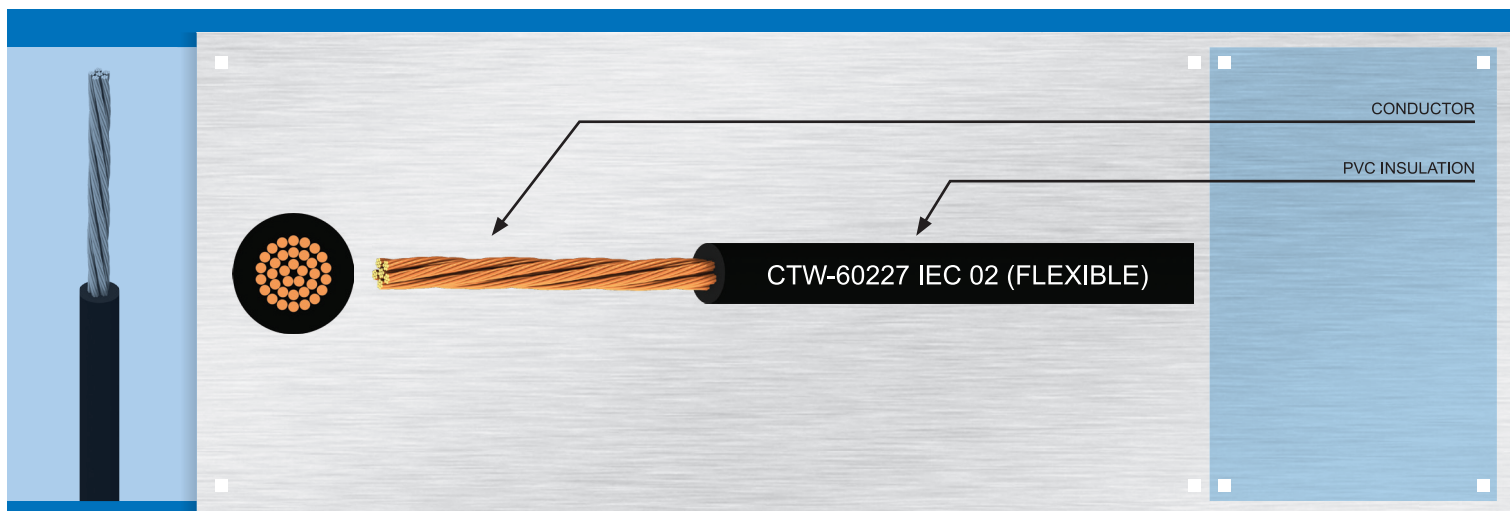




# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

## CABLE TYPE : CTW-60227 IEC 02 (FLEXIBLE)

450/750 V 70°C PVC INSULATED, FLEXIBLE SINGLE CORE



### CONSTRUCTION

**Conductor** Anneal copper, bunch stranded  
Sizes 1.5 sq.mm. up to 240 sq.mm.  
**Insulation** Polyvinyl chloride (PVC/C)  
(Any colour as requested)

### APPLICATION

Building wiring for installation in wire way or raceway, dry location.  
Do not install in conduit and direct burial in ground.

### CLASSIFICATION

Maximum conductor temperature 70°C  
Circuit voltage does not exceed 750 volts.

### REFERENCE

TIS 11-2553 Part 3 Table 3  
IEC 60227 Part 3 Table 3  
AC Test Voltage : 2.5 kV

### NOTE

| CTW-60227 IEC 02 |             | Conductor                           |                                |                       | Thickness of Insulation | Overall Diameter (Approx.) | Cable Weight (Approx.) | Maximum Conductor Resistance at 20°C | Minimum Insulation Resistance at 70°C | Standard Packing |
|------------------|-------------|-------------------------------------|--------------------------------|-----------------------|-------------------------|----------------------------|------------------------|--------------------------------------|---------------------------------------|------------------|
| PRODUCT CODE     | SIZE sq.mm. | Nominal Cross-Sectional Area sq.mm. | Number and Dia. of Wire No./mm | Diameter (Approx.) mm | mm                      | mm                         | kg/km                  | Ω/km                                 | MΩ-km                                 | m                |
| CFF016501        | 1 x 1.5     | 1.5                                 | 30/0.26                        | 1.58                  | 0.7                     | 3.4                        | 25                     | 13.30                                | 0.0100                                | 100/C            |
| CFF016502        | 1 x 2.5     | 2.5                                 | 50/0.26                        | 2.04                  | 0.8                     | 4.1                        | 35                     | 7.98                                 | 0.0090                                | 100/C            |
| CFF016004        | 1 x 4       | 4                                   | 56/0.31                        | 2.59                  | 0.8                     | 4.8                        | 55                     | 4.95                                 | 0.0070                                | 100/C            |
| CFF016006        | 1 x 6       | 6                                   | 84/0.31                        | 3.59                  | 0.8                     | 5.3                        | 80                     | 3.30                                 | 0.0060                                | 100/C            |
| CFF016010        | 1 x 10      | 10                                  | 80/0.41                        | 4.67                  | 1.0                     | 6.8                        | 130                    | 1.91                                 | 0.0056                                | 100/C            |
| CFF016016        | 1 x 16      | 16                                  | 126/0.41                       | 5.86                  | 1.0                     | 8.1                        | 195                    | 1.21                                 | 0.0046                                | 100/C            |
| CFF016025        | 1 x 25      | 25                                  | 196/0.41                       | 7.31                  | 1.2                     | 10.2                       | 295                    | 0.78                                 | 0.0044                                | 100/C            |
| CFF016035        | 1 x 35      | 35                                  | 276/0.41                       | 8.67                  | 1.2                     | 11.7                       | 405                    | 0.554                                | 0.0038                                | 500/R            |
| CFF016050        | 1 x 50      | 50                                  | 396/0.41                       | 10.51                 | 1.4                     | 13.9                       | 550                    | 0.386                                | 0.0037                                | 500/R            |
| CFF016070        | 1 x 70      | 70                                  | 360/0.51                       | 12.52                 | 1.4                     | 16.0                       | 760                    | 0.272                                | 0.0032                                | 500/R            |
| CFF016095        | 1 x 95      | 95                                  | 475/0.51                       | 14.38                 | 1.6                     | 18.2                       | 1,000                  | 0.206                                | 0.0032                                | 500/R            |
| CFF016120        | 1 x 120     | 120                                 | 608/0.51                       | 16.32                 | 1.6                     | 20.2                       | 1,255                  | 0.161                                | 0.0029                                | 500/R            |
| CFF016150        | 1 x 150     | 150                                 | 756/0.51                       | 18.20                 | 1.8                     | 22.5                       | 1,560                  | 0.129                                | 0.0029                                | 500/R            |
| CFF016185        | 1 x 185     | 185                                 | 925/0.51                       | 20.13                 | 2.0                     | 24.9                       | 1,910                  | 0.106                                | 0.0029                                | 500/R            |
| CFF016240        | 1 x 240     | 240                                 | 1,221/0.51                     | 23.16                 | 2.2                     | 28.4                       | 2,505                  | 0.0801                               | 0.0028                                | 500/R            |