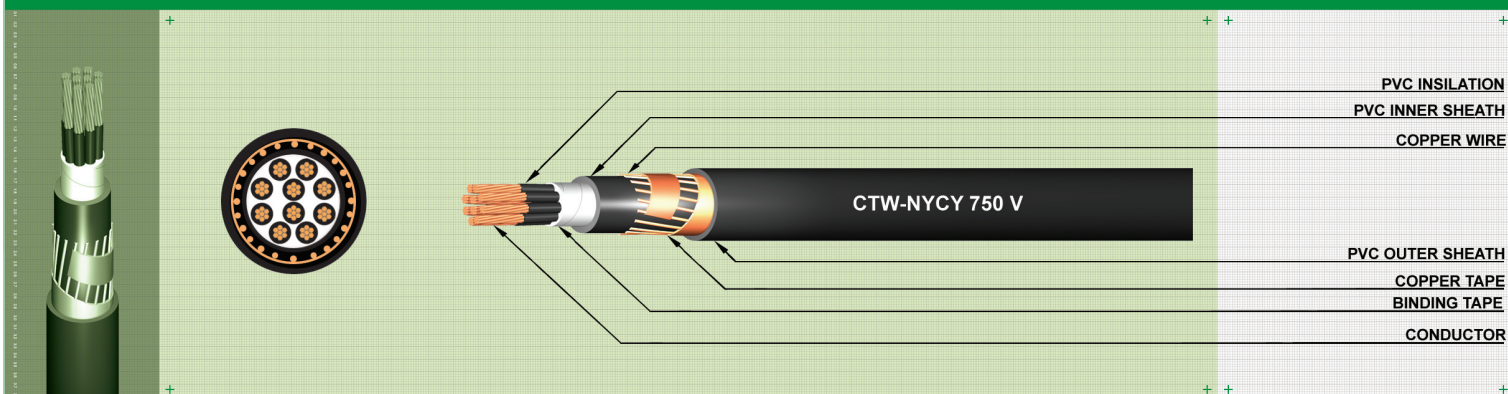




# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

## CABLE TYPE : CTW-NYCY 750 V CONTROL CABLE

: 750 V 70°C PVC INSULATED AND DOUBLE SHEATH CABLE WITH COPPER SHIELD



### APPLICATION

For install exposed, or in raceway, wet or dry locatiion, or direct burial ground.

### CONSTRUCTION

Phase conductor : Concentric stranded annealed copper wire.  
 Concentric Shield : Annealed copper wires with helix of copper tape.  
 Insulation : Polyvinyl chloride (PVC).  
 2 cores : Red, Black  
 3 cores : Red, Yellow, Blue  
 4 cores : Red, Yellow, Blue, Black  
 For more than 4 cores, insulation colour will be black with white number marking  
 Inner Sheath : Black polyvinyl chloride (PVC).  
 Outer Sheath : Black polyvinyl chloride (PVC).

### REFERENCE STANDARD

TIS 11-2531 and VDE 0271 where application  
 \* Testing Voltage : 2,500 Volts.

### CLASSIFICATION

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

| CTW-NYCY<br>PRODUCT<br>CODE | Conductor                          |                                   |                       | Thickness<br>of<br>Insulation | Thickness<br>of<br>inner<br>Sheath | Copper wire shield                     |                                      | Thickness<br>of<br>Outer<br>Sheath | Overall<br>diameter<br>(Approx.) | Ampacities<br>direct burial<br>in Free Air at<br>40 °C | Maximum<br>conductor<br>resistance<br>at 20 °C | Minimum<br>insulation<br>resistance<br>at 20 °C | Cable<br>weight<br>(Approx.) | Standard<br>packing |
|-----------------------------|------------------------------------|-----------------------------------|-----------------------|-------------------------------|------------------------------------|----------------------------------------|--------------------------------------|------------------------------------|----------------------------------|--------------------------------------------------------|------------------------------------------------|-------------------------------------------------|------------------------------|---------------------|
|                             | Nominal<br>Cross-sectional<br>area | Number<br>and diameter<br>of wire | Diameter<br>(Approx.) |                               |                                    | Nominal<br>Cross-<br>sectional<br>area | Number<br>and<br>diameter<br>of wire |                                    |                                  |                                                        |                                                |                                                 |                              |                     |
|                             | core x mm <sup>2</sup>             | No. / mm                          | mm                    |                               |                                    | core x mm <sup>2</sup>                 | No. / mm                             |                                    |                                  |                                                        |                                                |                                                 |                              |                     |
| CA2024502                   | 2x2.5                              | 7/0.67                            | 2.01                  | 0.8                           | 0.8                                | 2.5                                    | 7/0.67                               | 1.8                                | 17                               | 26                                                     | 7.41                                           | 0.0093                                          | 250                          | 500                 |
| CA2034502                   | 3x2.5                              | 7/0.67                            | 2.01                  | 0.8                           | 0.8                                | 2.5                                    | 7/0.67                               | 1.8                                | 17.5                             | 22                                                     | 4.61                                           | 0.0093                                          | 300                          | 500                 |
| CA2044502                   | 4x2.5                              | 7/0.67                            | 2.01                  | 0.8                           | 0.8                                | 2.5                                    | 7/0.67                               | 1.8                                | 18                               | 22                                                     | 3.08                                           | 0.0093                                          | 350                          | 500                 |
| CA2054502                   | 5x2.5                              | 7/0.67                            | 2.01                  | 0.8                           | 0.8                                | 2.5                                    | 7/0.67                               | 1.8                                | 19                               | 20                                                     | 1.83                                           | 0.0093                                          | 380                          | 500                 |
| CA2064502                   | 6x2.5                              | 7/0.67                            | 2.01                  | 0.8                           | 0.8                                | 2.5                                    | 7/0.67                               | 1.8                                | 21                               | 18                                                     | 1.15                                           | 0.0093                                          | 430                          | 500                 |
| CA2074502                   | 7x2.5                              | 7/0.67                            | 2.01                  | 0.8                           | 0.8                                | 2.5                                    | 7/0.67                               | 1.8                                | 21                               | 16                                                     | 0.727                                          | 0.0093                                          | 460                          | 500                 |
| CA2124502                   | 12x2.5                             | 7/0.67                            | 2.01                  | 0.8                           | 0.8                                | 2.5                                    | 7/0.67                               | 1.8                                | 25                               | 12                                                     | 0.524                                          | 0.0093                                          | 690                          | 500                 |
| CA2194502                   | 19x2.5                             | 7/0.67                            | 2.01                  | 0.8                           | 0.8                                | 2.5                                    | 7/0.67                               | 1.8                                | 28                               | 12                                                     | 0.387                                          | 0.0093                                          | 960                          | 500                 |
| CA2274502                   | 27x2.5                             | 7/0.67                            | 2.01                  | 0.8                           | 0.8                                | 2.5                                    | 7/0.67                               | 1.8                                | 32                               | 11                                                     | 0.268                                          | 0.0093                                          | 1,310                        | 500                 |
| CA2374502                   | 37x2.5                             | 7/0.67                            | 2.01                  | 0.8                           | 0.8                                | 2.5                                    | 7/0.67                               | 1.8                                | 38                               | 10                                                     | 0.193                                          | 0.0093                                          | 1,860                        | 500                 |
|                             |                                    |                                   |                       |                               |                                    |                                        |                                      |                                    |                                  |                                                        |                                                |                                                 |                              |                     |
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