



# Submersible Pump Cable

## SUBMERSIBLE PUMP CABLE 600/1000V

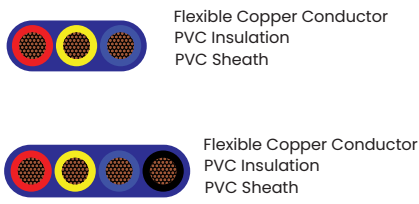
- Application** : For use in submersible pump motor.
- Standards** : SANS 1574-3
- Conductor** : Flexible copper (Class 5) conductors Plain or Tinned to SANS:1411-1
- Insulation** : PVC (Polyvinyl Chloride) as per SANS: 1411-2
- Insulation Colour** : 3 Core: Red, Yellow & Blue
- 4 Core** : Red, Yellow, Blue & Black
- Sheath** : PVC (Polyvinyl Chloride) as per SANS: 1411-2
- Sheath Colour** : Blue (Other sheath colour also available as per customer requirement)
- Voltage Rating(Uo/U)** : 600/1000 Volt
- Max. Permissible** : During Normal Operation - 70°C
- Conductor Temperature** : During Short Circuit Condition - 160°C



### PVC Insulated and PVC Sheathed Circular & Flat Submersible pump Flexible Cable, Rated Voltage 600/1000V

| PHYSICAL PROPERTIES |                            |                              |                          |                     |                          |                     |               |        |
|---------------------|----------------------------|------------------------------|--------------------------|---------------------|--------------------------|---------------------|---------------|--------|
| Catalogue Number    | Nominal Cross Section Area | Nominal Insulation Thickness | 3 Core                   |                     | 4 Core                   |                     | Approx Weight |        |
|                     |                            |                              | Nominal Sheath Thickness | Approx Overall Dia. | Nominal Sheath Thickness | Approx Overall Dia. | 3 Core        | 4 Core |
|                     | SQ.MM                      | MM                           | MM                       | MM                  | MM                       | MM                  | Kg/Km         | Kg/Km  |
| NSFR*CY**0015F10    | 1.5                        | 0.80                         | 1.50                     | 10.10               | 1.50                     | 11.15               | 125           | 150    |
| NSFF*CY**0015F10    | 1.5                        | 0.80                         | 1.50                     | 5.10 X 12           | 1.50                     | 5.10X13.25          | 132           | 156    |
| NSFR*CY**0025F10    | 2.5                        | 0.80                         | 1.80                     | 11.90               | 1.80                     | 12.90               | 170           | 200    |
| NSFF*CY**0025F10    | 2.5                        | 0.80                         | 1.80                     | 5.8 X 14.8          | 1.80                     | 5.8 X 18.85         | 180           | 210    |
| NSFR*CY**0040F10    | 4                          | 1.0                          | 1.80                     | 13.95               | 1.80                     | 15.20               | 240           | 312    |
| NSFF*CY**0040F10    | 4                          | 1.0                          | 1.80                     | 8.4 X 17.85         | 1.80                     | 8.4 X 22.60         | 252           | 325    |
| NSFR*CY**0060F10    | 6                          | 1.0                          | 1.80                     | 12.20               | 1.80                     | 16.60               | 340           | 450    |
| NSFF*CY**0060F10    | 6                          | 1.0                          | 1.80                     | 9 X19.60            | 1.80                     | 9 X 24.96           | 354           | 462    |
| NSFR*CY**0100F10    | 10                         | 1.0                          | 1.80                     | 17.10               | 1.80                     | 18.80               | 530           | 662    |
| NSFF*CY**0100F10    | 10                         | 1.0                          | 1.80                     | 9.9 X 22.30         | 1.80                     | 9.9 X 28.56         | 545           | 675    |

| ELECTRICAL PROPERTIES |                |                 |                               |                                       |
|-----------------------|----------------|-----------------|-------------------------------|---------------------------------------|
| Cable Size            | Current Rating |                 | Maximum DC Resistance at 20°C | Minimum Insulation Resistance at 70°C |
|                       | Laying in Air  | Laying in water |                               |                                       |
| Sq.mm                 | Amps (A)       | Amps (A)        | Ohm/km                        | MΩ-km                                 |
| 1.5                   | 23             | 29              | 13.30                         | 0.010                                 |
| 2.5                   | 32             | 38              | 7.98                          | 0.009                                 |
| 4.0                   | 42             | 52              | 4.95                          | 0.0074                                |
| 6.0                   | 54             | 67              | 3.30                          | 0.0076                                |
| 10                    | 75             | 94              | 1.91                          | 0.0061                                |



**Notes:** N(\*) Add sheath colour  
 N\*CYYSF\*\*(\*\*) Add Number of core  
 Cables can be supplied in Coil/Reel/Drum with meters/yards/feet.  
 The above data is indicative & may be changed without prior information.