

# GALVANISED STEEL WIRE ARMoured PVC INSULATED, PVC SHEATHED FOUR CORE COPPER MAINS CABLES 0.6/1KV

**SPECIFICATION:** IEC 60502-1

**TYPE:** NCYRY / FY 4- core

**IDENTIFICATION:**

- N: Standard cable type
- C: Copper conductor
- Y: PVC Insulation
- R: Round galvanize steel wire or
- F: Flat galvanize steel wire
- Y: PVC Sheath

**APPLICATION:** General underground electricity supply.

| NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> | CONDUCTOR NUMBER X DIAMETER OF WIRE<br>mm | RADIAL THICKNESS OF |                    |                    | APPROXIMATE OVERALL DIAMETER<br>mm | MAXIMUM CURRENT RATING<br>A |        | WEIGHT kg/<br>STANDARD LENGTH<br>kg | STANDARD DELIVERY LENGTH<br>m | DELIVERY FORM<br>drum |
|---|---|---------------------|--------------------|--------------------|------------------------------------|-----------------------------|--------|-------------------------------------|-------------------------------|-----------------------|
|   |   | Insulat<br>mm       | inner sheath<br>mm | outer sheath<br>mm |                                    |                             |        |                                     |                               |                       |
|   |   |                     |                    |                    |                                    | in ground                   | in air |                                     |                               |                       |
| 1.5   | 1/1.38                                    | 0.8                 | 0.8                | 1.8                | 14.2                               | 23                          | 15     | 361                                 | 1000                          | R10                   |
| 2.5   | 1/1.78                                    | 0.9                 | 0.8                | 1.8                | 16.4                               | 30                          | 21     | 517                                 | 1000                          | R12                   |
| 4   | 1/2.25                                    | 1.0                 | 0.8                | 1.8                | 18.1                               | 39                          | 28     | 636                                 | 1000                          | R12                   |
| 6   | 1/2.76                                    | 1.0                 | 0.8                | 1.8                | 19.3                               | 49                          | 36     | 751                                 | 1000                          | R12                   |
| 10RS  | 7/1.35                                    | 1.0                 | 0.8                | 1.8                | 22.7                               | 65                          | 50     | 1085                                | 1000                          | R14                   |
| 16RS  | 7/1.70                                    | 1.0                 | 1.0                | 2.0                | 24.7                               | 84                          | 66     | 1308                                | 1000                          | R14                   |
| 25RS  | 7/2.14                                    | 1.2                 | 1.0                | 2.0                | 28.8                               | 109                         | 88     | 1814                                | 1000                          | R16                   |
| 35SS  | 7/2.58                                    | 1.2                 | 1.0                | 2.0                | 27.5                               | 130                         | 109    | 2249                                | 1000                          | R16                   |
| 50SS  | 19/1.38                                   | 1.4                 | 1.0                | 2.0                | 30.7                               | 155                         | 131    | 1417                                | 500                           | R14                   |
| 70SS  | 19/2.20                                   | 1.4                 | 1.2                | 2.2                | 34.5                               | 193                         | 167    | 1920                                | 500                           | R14                   |
| 95SS  | 19/2.57                                   | 1.6                 | 1.2                | 2.2                | 39.0                               | 231                         | 202    | 2520                                | 500                           | R20                   |
| 120SS   | 37/2.08                                   | 1.6                 | 1.2                | 2.2                | 42.2                               | 265                         | 234    | 3161                                | 500                           | R22                   |
| 150SS   | 37/2.28                                   | 1.8                 | 1.4                | 2.6                | 47.4                               | 298                         | 269    | 3740                                | 500                           | R22                   |
| 185SS   | 37/2.58                                   | 2.0                 | 1.5                | 2.6                | 51.2                               | 336                         | 307    | 4617                                | 500                           | R25                   |
| 240SS   | 61/2.30                                   | 2.2                 | 1.8                | 3.0                | 58.0                               | 391                         | 361    | 2975                                | 250                           | R22                   |