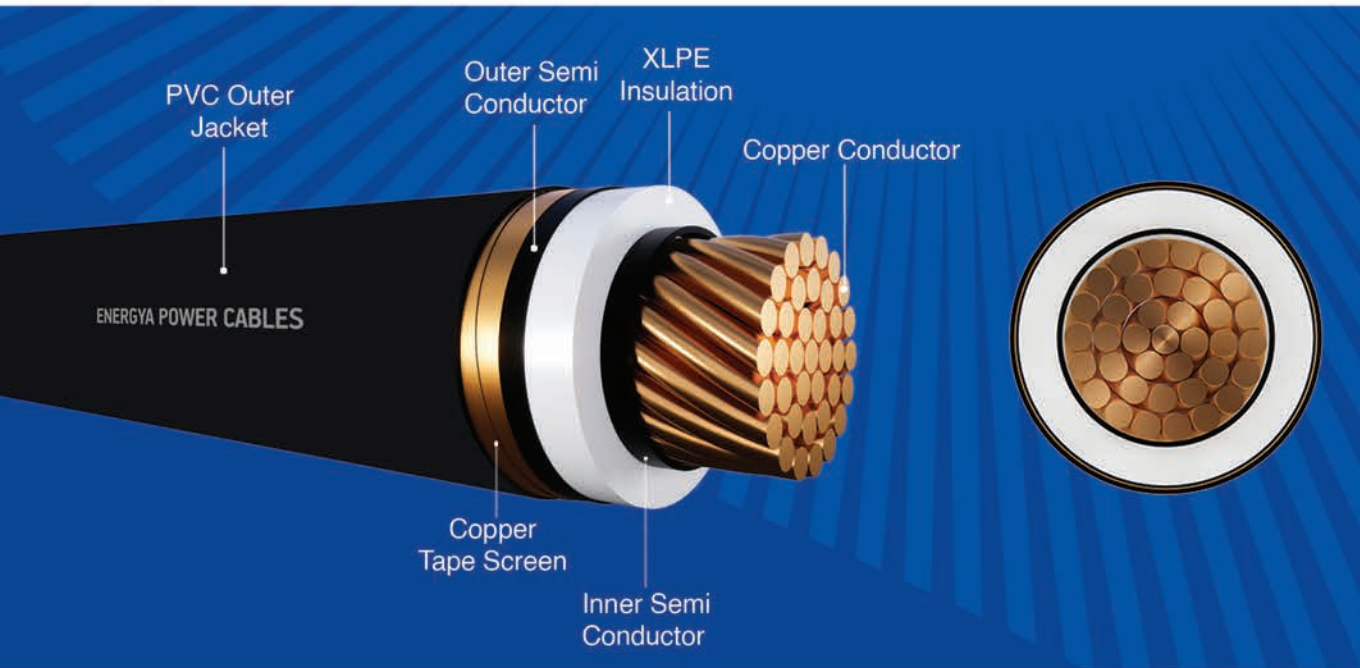
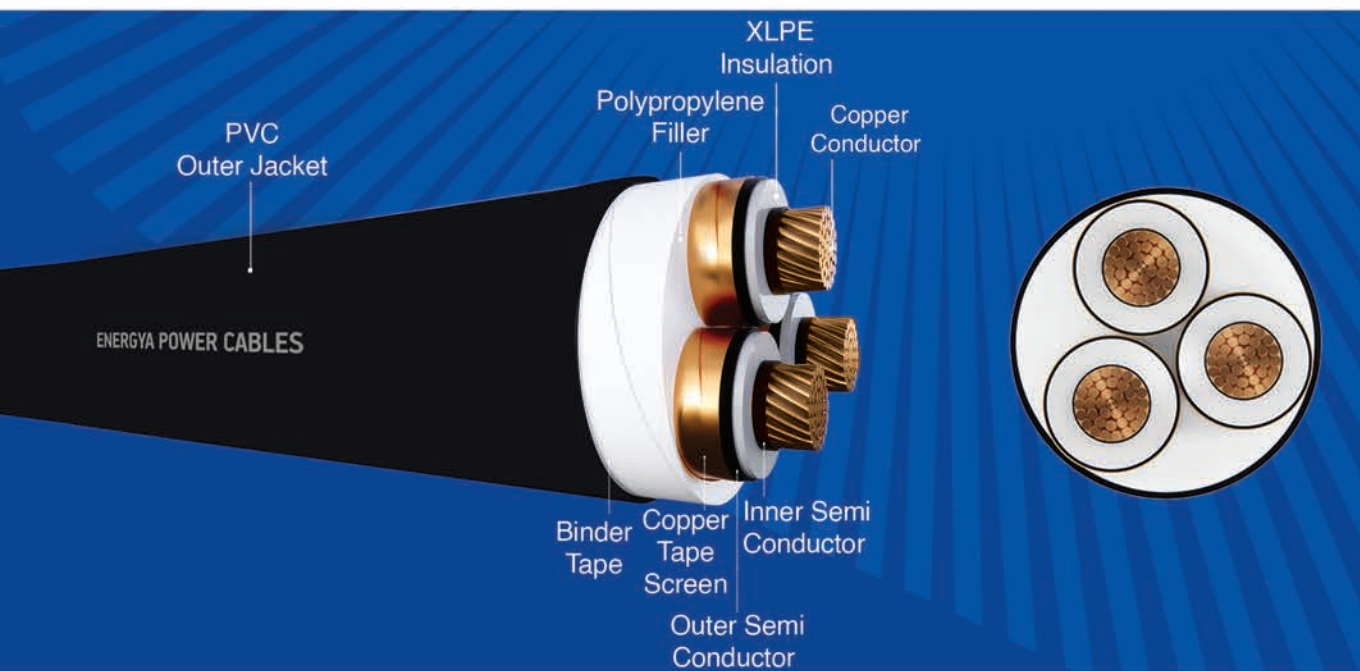


## SINGLE CORE CABLES 12/20 (24) KV



## MULTI CORE CABLES 12/20 (24) KV



Single & Multi Core Cables, with stranded Circular copper conductors XLPE insulated, and PVC Sheath.

### Description

- Stranded circular compacted Copper conductor, Semi-conducting layer as conductor screen, XLPE insulated, semi-conducting layer as non-metallic insulation screen, copper tape or wires as a metallic insulation screen, Multi cores are assembled together with non-hygroscopic polypropylene fillers and wrapped with binder tape, and PVC sheathed.
- Cables are produced according to IEC 60502-2.

### Application

- These cables are generally suitable for direct burial or for installation on trays or in ducts.

### SINGLE CORE CABLES

| Product Code                | Nominal Cross sectional area<br>mm <sup>2</sup> | Max. Conductor Resistance |                     | Capacitance<br>µf/km | Inductance       |               | Current Rating |         |      |                           |                 | Approx. Overall Diameter<br>mm | Approx. Weight<br>Kg/Km |  |
|-----------------------------|---|---------------------------|---------------------|----------------------|------------------|---------------|----------------|---------|------|---------------------------|-----------------|--------------------------------|-------------------------|--|
|                             |   | DC at 20 °C<br>Ω/km       | AC at 90 °C<br>Ω/km |                      | Trefoil<br>mh/km | Flat<br>mh/km | Laid in ground |         |      | Laid in free air (Shaded) |                 |                                |                         |  |
|                             |   |                           |                     |                      |                  |               | Flat           | Trefoil | Duct | Flat Touched              | Trefoil Touched |                                |                         |  |
| <b>1 Core - Cu/XLPE/PVC</b> |   |                           |                     |                      |                  |               |                |         |      |                           |                 |                                |                         |  |
| CT14X401U1                  | 50  | 0.387                     | 0.4937              | 0.1812               | 0.4121           | 0.4583        | 210            | 216     | 162  | 227                       | 234             | 24.4                           | 930                     |  |
| CT15X401U1                  | 70  | 0.268                     | 0.3421              | 0.2072               | 0.3854           | 0.4317        | 258            | 262     | 200  | 287                       | 295             | 26.3                           | 1170                    |  |
| CT16X401U1                  | 95  | 0.193                     | 0.2467              | 0.2235               | 0.3734           | 0.4196        | 306            | 312     | 243  | 347                       | 360             | 27.7                           | 1445                    |  |
| CT17X401U1                  | 120   | 0.153                     | 0.1959              | 0.2424               | 0.3599           | 0.4061        | 351            | 355     | 281  | 403                       | 416             | 29.1                           | 1710                    |  |
| CT18X401U1                  | 150   | 0.124                     | 0.1591              | 0.2612               | 0.3496           | 0.3959        | 391            | 396     | 316  | 460                       | 468             | 30.7                           | 2005                    |  |
| CT19X401U1                  | 185   | 0.0991                    | 0.1277              | 0.2839               | 0.3351           | 0.3813        | 442            | 446     | 367  | 523                       | 540             | 32.4                           | 2390                    |  |
| CT20X401U1                  | 240   | 0.0754                    | 0.0980              | 0.3159               | 0.3222           | 0.3684        | 512            | 511     | 425  | 630                       | 638             | 35                             | 2990                    |  |
| CT30X401U1                  | 300   | 0.0601                    | 0.0790              | 0.3505               | 0.3114           | 0.3577        | 585            | 574     | 486  | 725                       | 736             | 37.8                           | 3605                    |  |
| CT40X401U1                  | 400   | 0.047                     | 0.0631              | 0.3850               | 0.3020           | 0.3482        | 662            | 644     | 552  | 832                       | 841             | 40.6                           | 4470                    |  |
| CT50X401U1                  | 500   | 0.0366                    | 0.0508              | 0.4300               | 0.2916           | 0.3378        | 745            | 723     | 628  | 962                       | 971             | 44.2                           | 5635                    |  |
| CT60X401U1                  | 630   | 0.0283                    | 0.0414              | 0.4755               | 0.2833           | 0.3295        | 834            | 800     | 713  | 1104                      | 1099            | 47.9                           | 7000                    |  |
| CT70X401U1                  | 800   | 0.0221                    | 0.0347              | 0.5329               | 0.2750           | 0.3212        | 914            | 872     | 798  | 1249                      | 1238            | 52.6                           | 8895                    |  |

### MULTI CORE CABLES

| Product Code                | Nominal Cross sectional area<br>mm <sup>2</sup> | Max. Conductor Resistance |                     | Capacitance<br>µf/km | Inductance<br>mh/km | Current Rating |      |                  | Approx. Overall Diameter<br>mm | Approx. Weight<br>Kg/Km |
|-----------------------------|---|---------------------------|---------------------|----------------------|---------------------|----------------|------|------------------|--------------------------------|-------------------------|
|                             |   | DC at 20 °C<br>Ω/km       | AC at 90 °C<br>Ω/km |                      |                     | Ground         | Duct | Laid In Free Air |                                |                         |
|                             |   |                           |                     |                      |                     |                |      |                  |                                |                         |
| <b>3 Core - Cu/XLPE/PVC</b> |   |                           |                     |                      |                     |                |      |                  |                                |                         |
| CT14X403U1                  | 50  | 0.387                     | 0.4937              | 0.1812               | 0.3917              | 207            | 162  | 229              | 51.3                           | 3130                    |
| CT15X403U1                  | 70  | 0.268                     | 0.3422              | 0.2072               | 0.3667              | 253            | 200  | 285              | 55.6                           | 3940                    |
| CT16X403U1                  | 95  | 0.193                     | 0.2467              | 0.2235               | 0.3541              | 303            | 240  | 346              | 58.4                           | 4795                    |
| CT17X403U1                  | 120   | 0.153                     | 0.1960              | 0.2424               | 0.3417              | 345            | 275  | 398              | 61.6                           | 5655                    |
| CT18X403U1                  | 150   | 0.124                     | 0.1592              | 0.2612               | 0.3312              | 388            | 310  | 453              | 64.8                           | 6580                    |
| CT19X403U1                  | 185   | 0.0991                    | 0.1279              | 0.2839               | 0.3177              | 438            | 352  | 518              | 68.9                           | 7870                    |
| CT20X403U1                  | 240   | 0.0754                    | 0.0982              | 0.3159               | 0.3052              | 509            | 411  | 613              | 74.3                           | 9760                    |
| CT30X403U1                  | 300   | 0.0601                    | 0.0794              | 0.3505               | 0.2948              | 580            | 473  | 716              | 80.3                           | 11755                   |

- The above data is approximate and subjected to manufacturing tolerance.
- This data is applicable also for 12.7/22 KV.

