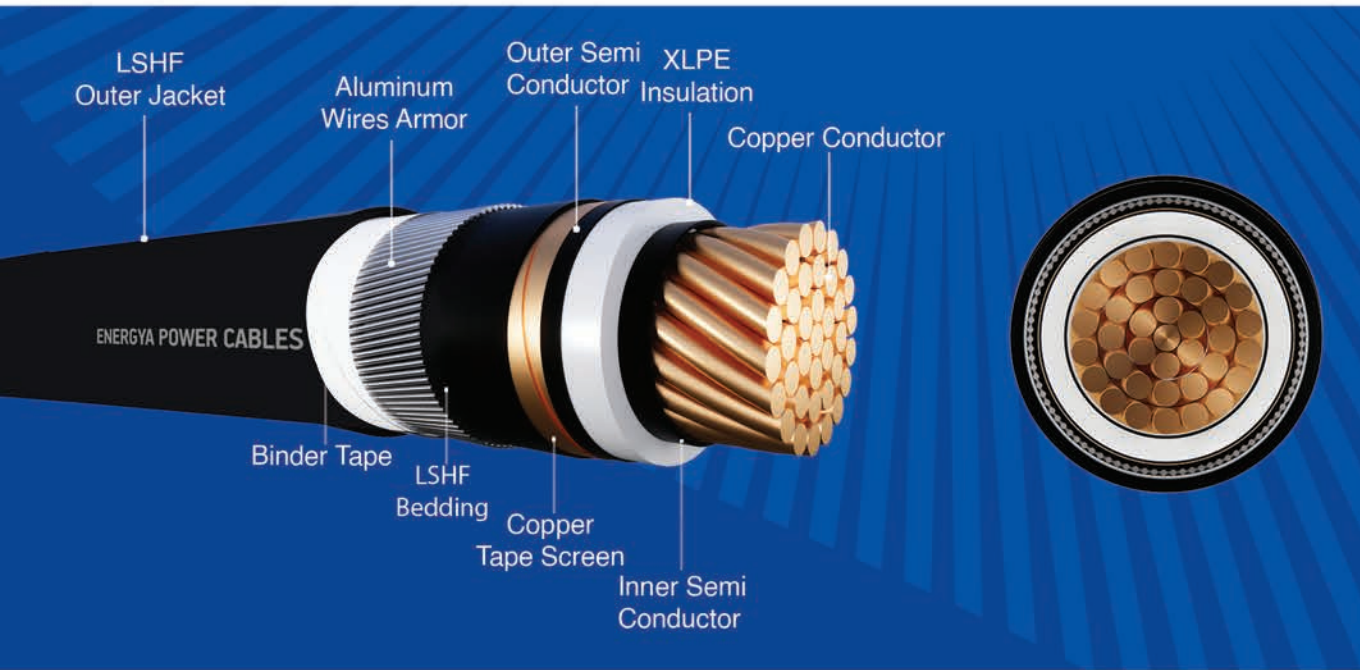
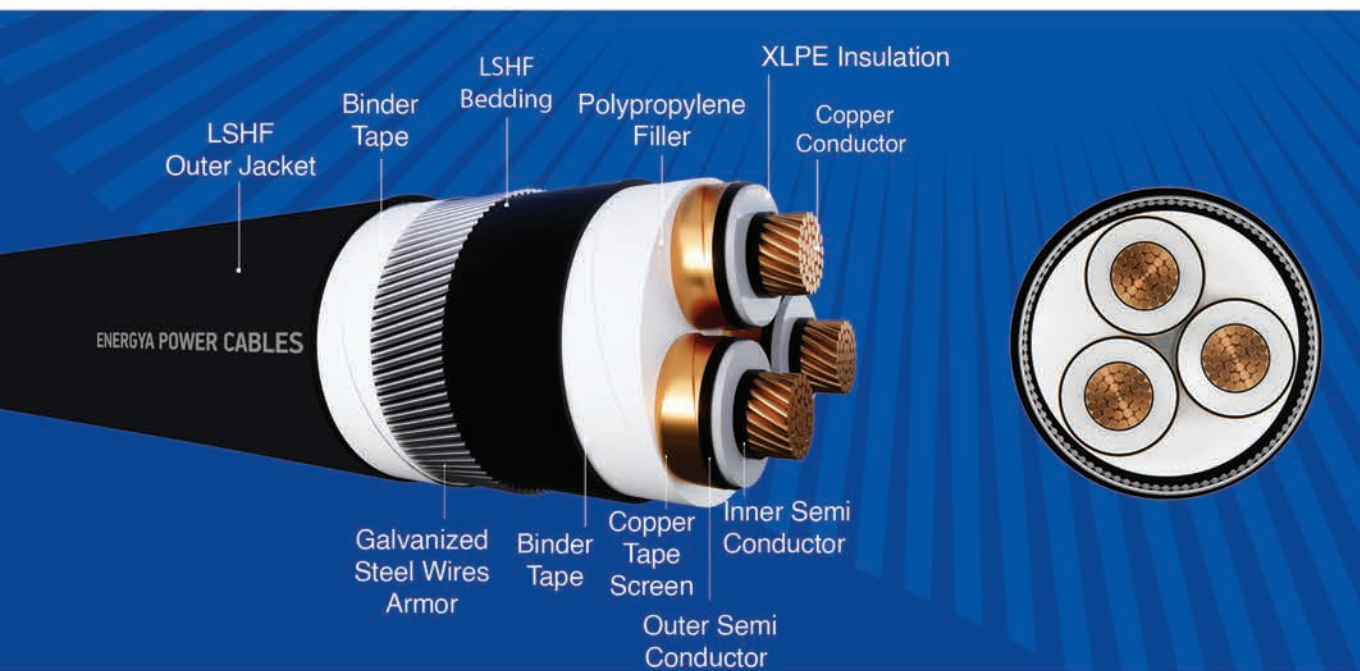


SINGLE CORE CABLES 18/30 (36) KV



MULTI CORE CABLES 18/30 (36) KV



Single & Multi Core Cables, with stranded Circular Copper conductors, XLPE insulated, Aluminum wire armored or Steel wire armored and LSHF 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 wire as metallic insulation screen, covered with a layer of LSHF compound as bedding layer, aluminum wire or Steel wire armored and LSHF sheath.
- Cables are produced according to IEC 60502-2 or BS7835.

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 mm ² | Max. Conductor Resistance | | Capacitance µf/km | Inductance | | Current Rating | | | | | Approx. Overall Diameter mm | Approx. Weight Kg/Km | |
|----------------------------------|---|---------------------------|---------------------|----------------------|------------------|---------------|----------------|---------|------|---------------------------|-----------------|--------------------------------|-------------------------|--|
| | | DC at 20 °C Ω/km | AC at 90 °C Ω/km | | Trefoil mh/km | Flat mh/km | Laid in ground | | | Laid in free air (Shaded) | | | | |
| | | | | | | | Flat | Trefoil | Duct | Flat Touched | Trefoil Touched | | | |
| 1 Core - Cu/XLPE/AWA/LSHF | | | | | | | | | | | | | | |
| CT14X501XL | 50 | 0.387 | 0.4937 | 0.1412 | 0.4910 | 0.5372 | 209 | 208 | 178 | 248 | 250 | 36.2 | 1750 | |
| CT15X501XL | 70 | 0.268 | 0.3420 | 0.1596 | 0.4596 | 0.5058 | 255 | 253 | 218 | 306 | 308 | 38.1 | 2040 | |
| CT16X501XL | 95 | 0.193 | 0.2465 | 0.1711 | 0.4433 | 0.4895 | 303 | 300 | 260 | 369 | 369 | 39.3 | 2335 | |
| CT17X501XL | 120 | 0.153 | 0.1957 | 0.1844 | 0.4270 | 0.4732 | 343 | 339 | 295 | 422 | 421 | 40.7 | 2625 | |
| CT18X501XL | 150 | 0.124 | 0.1589 | 0.1976 | 0.4193 | 0.4656 | 381 | 374 | 329 | 477 | 470 | 43.5 | 3120 | |
| CT19X501XL | 185 | 0.0991 | 0.1274 | 0.2135 | 0.4025 | 0.4488 | 426 | 414 | 371 | 541 | 528 | 45.4 | 3575 | |
| CT20X501XL | 240 | 0.0754 | 0.0975 | 0.2358 | 0.3854 | 0.4316 | 488 | 466 | 426 | 630 | 608 | 48 | 4255 | |
| CT30X501XL | 300 | 0.0601 | 0.0784 | 0.2599 | 0.3706 | 0.4168 | 544 | 512 | 479 | 715 | 679 | 50.8 | 4955 | |
| CT40X501XL | 400 | 0.047 | 0.0623 | 0.2839 | 0.3575 | 0.4037 | 607 | 562 | 537 | 811 | 758 | 53.6 | 5900 | |
| CT50X501XL | 500 | 0.0366 | 0.0498 | 0.3151 | 0.3432 | 0.3894 | 675 | 611 | 600 | 921 | 844 | 57.2 | 7170 | |
| CT60X501XL | 630 | 0.0283 | 0.0402 | 0.3467 | 0.3320 | 0.3782 | 741 | 657 | 665 | 1033 | 931 | 61.1 | 8675 | |
| CT70X501XL | 800 | 0.0221 | 0.0333 | 0.3864 | 0.3197 | 0.3660 | 805 | 699 | 728 | 1147 | 1013 | 65.8 | 10725 | |

MULTI CORE CABLES

| Product Code | Nominal Cross sectional area mm ² | Max. Conductor Resistance | | Capacitance µf/km | Inductance mh/km | Current Rating | | | Approx. Overall Diameter mm | Approx. Weight Kg/Km | |
|----------------------------------|---|---------------------------|---------------------|----------------------|---------------------|----------------|------|------------------|--------------------------------|-------------------------|---|
| | | DC at 20 °C Ω/km | AC at 90 °C Ω/km | | | Ground | Duct | Laid In Free Air | | | |
| | | | | | | | | | | | A |
| 3 Core - Cu/XLPE/SWA/LSHF | | | | | | | | | | | |
| CT14X503WL | 50 | 0.387 | 0.4937 | 0.1412 | 0.4333 | 199 | 167 | 227 | 72.6 | 8370 | |
| CT15X503WL | 70 | 0.268 | 0.3421 | 0.1596 | 0.4052 | 243 | 205 | 281 | 77.1 | 9580 | |
| CT16X503WL | 95 | 0.193 | 0.2466 | 0.1711 | 0.3909 | 288 | 244 | 336 | 80.1 | 10735 | |
| CT17X503WL | 120 | 0.153 | 0.1958 | 0.1844 | 0.3766 | 326 | 275 | 383 | 83.3 | 11810 | |
| CT18X503WL | 150 | 0.124 | 0.1591 | 0.1976 | 0.3645 | 364 | 308 | 432 | 86.5 | 13010 | |
| CT19X503WL | 185 | 0.0991 | 0.1276 | 0.2135 | 0.3492 | 408 | 348 | 489 | 90.6 | 14665 | |
| CT20X503WL | 240 | 0.0754 | 0.0979 | 0.2358 | 0.3344 | 467 | 399 | 567 | 96.4 | 17115 | |
| CT30X503WL | 300 | 0.0601 | 0.0790 | 0.2599 | 0.3219 | 522 | 449 | 641 | 102.2 | 19540 | |

- The above data is approximate and subjected to manufacturing tolerance.
- This data is applicable also for 19/33 KV.

