



# XLPE / PVC Aluminium Cable

High Quality Aluminium Cables for Power Distribution & Industrial Use

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HIMALCO

Cables required for Power distribution in various housing, commercial, construction and industrial projects need to be high quality, robust and tested. Himalco XLPE / PVC Insulated Armoured/Un-armoured Aluminium cables for such critical infrastructure applications are a perfect choice. Available from 2.5 sq.mm to 630 sq.mm in single, twin, three, three-&-half & four core sizes.

**CONDUCTOR** : Aluminium as per Class-2 of IS : 8130, generally shaped & compacted (> 16 sq.mm)

**INSULATION & SHEATHING** : Conductors are insulated using high quality PVC (Poly Vinyl Chloride) or XLPE (Cross Linked Polyethylene) in Natural, Red, Yellow, Blue & Black color options. Inner & Outer sheathing is done using PVC Type ST-2 as per IS : 5831, in Black Color.

**ARMOURING** : Single Layer of Aluminium Round Wire / Flat Strip (for Armoured Cables)

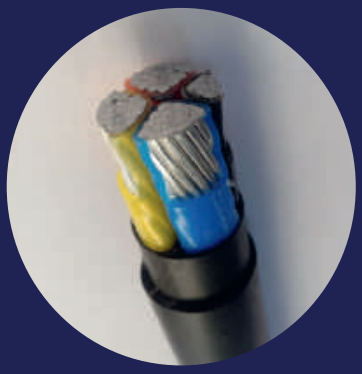
**PACKING** : Packings are available in Rolls, Drums and Reels. Special / custom packing available on request.

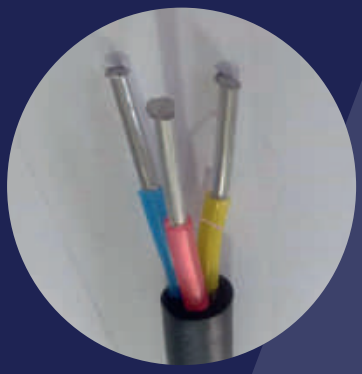
**Product** : XLPE Insulated PVC Sheathed heavy Duty Unarmoured Electric Aluminium Cable (Upto 1.1 KV AC)

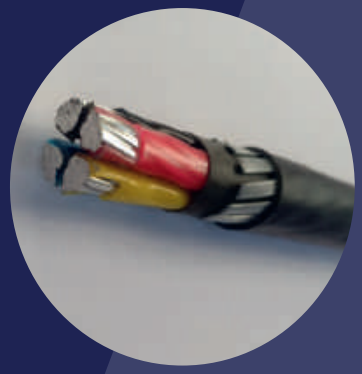
| Code A2XY | Nominal Cross Section Area of Conductor | Min. Nos. of Conductor strands | Nominal Thickness of Insulation | Thickness of Inner Sheath | Nominal Thickness of Outer Sheath | | | | | Approx. Overall Diameter | | | | | Normal Current Rating (Duct) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 Core | 2 Core | 3 Core | 3.5 Core | 4 Core | 1 Core | 2 Core | 3 Core | 3.5 Core | 4 Core | 1 Core | 2 Core | 3 Core | 3.5 Core | 4 Core |
| | Sq. mm. | No's | mm | mm | mm | | | | | mm | | | | | Amps | | | | |
| HIM 2001-XC | 10 | 1 | 0.70 | 0.30 | 1.8 | 1.8 | 1.8 | - | 1.8 | 9 | 14 | 16 | - | 17 | 62 | 48 | 48 | - | 48 |
| HIM 2002-XC | 16 | 6 | 0.70 | 0.30 | 1.8 | 1.8 | 1.8 | - | 1.8 | 10 | 15 | 17 | - | 19 | 80 | 61 | 61 | - | 61 |
| HIM 2003-XC | 25 | 6 | 0.90 | 0.30 | 1.8 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 18 | 20 | 21 | 22 | 90 | 80 | 80 | 80 | 80 |
| HIM 2004-XC | 35 | 6 | 0.90 | 0.30 | 1.8 | 2.0 | 2.0 | 2.0 | 2.0 | 12 | 19 | 22 | 24 | 27 | 110 | 94 | 94 | 94 | 94 |
| HIM 2005-XC | 50 | 6 | 1.00 | 0.30 | 1.8 | 2.0 | 2.0 | 2.0 | 2.0 | 14 | 21 | 24 | 26 | 27 | 125 | 110 | 110 | 110 | 110 |
| HIM 2006-XC | 70 | 12 | 1.10 | 0.40 | 1.8 | 2.0 | 2.2 | 2.2 | 2.2 | 16 | 24 | 28 | 30 | 31 | 155 | 140 | 140 | 140 | 140 |
| HIM 2007-XC | 95 | 15 | 1.10 | 0.40 | 1.8 | 2.2 | 2.2 | 2.2 | 2.2 | 18 | 27 | 31 | 34 | 35 | 185 | 165 | 165 | 165 | 165 |
| HIM 2008-XC | 120 | 15 | 1.20 | 0.40 | 1.8 | 2.2 | 2.2 | 2.2 | 2.4 | 19 | 29 | 34 | 37 | 39 | 210 | 185 | 185 | 185 | 185 |
| HIM 2009-XC | 150 | 15 | 1.40 | 0.50 | 2.0 | 2.4 | 2.4 | 2.4 | 2.6 | 21 | 31 | 38 | 41 | 43 | 230 | 210 | 210 | 210 | 210 |
| HIM 2010-XC | 185 | 30 | 1.60 | 0.50 | 2.0 | 2.4 | 2.6 | 2.6 | 2.8 | 24 | 35 | 42 | 46 | 48 | 260 | 235 | 235 | 235 | 235 |
| HIM 2011-XC | 240 | 30 | 1.70 | 0.60 | 2.0 | 2.6 | 2.8 | 2.8 | 3.0 | 26 | 40 | 47 | 50 | 54 | 300 | 270 | 270 | 270 | 270 |
| HIM 2012-XC | 300 | 30 | 1.80 | 0.60 | 2.0 | 2.8 | 3.0 | 3.0 | 3.2 | 29 | 43 | 52 | 55 | 61 | 335 | 305 | 305 | 305 | 305 |
| HIM 2013-XC | 400 | 53 | 2.00 | 0.70 | 2.2 | 3.0 | 3.2 | 3.4 | 3.6 | 33 | 48 | 58 | 62 | 68 | 380 | 350 | 350 | 350 | 350 |
| HIM 2014-XC | 500 | 53 | 2.20 | 0.70 | 2.2 | 3.4 | 3.6 | 3.6 | 3.8 | 36 | 54 | 65 | 72 | 75 | 430 | 405 | 405 | 405 | 405 |
| HIM 2015-XC | 630 | 53 | 2.40 | 0.70 | 2.2 | 3.8 | 3.8 | 4.0 | 4.0 | 40 | 59 | 73 | 80 | 84 | 485 | 470 | 470 | 470 | 470 |

**Product** : XLPE Insulated PVC Sheathed heavy Duty Armoured Electric Aluminium Cable (Upto 1.1 KV AC)

| Code A2XFaY | Nominal Cross Section Area of Conductor | Min. Number of Conductor strands | Nominal Thickness of Insulation | Armor Strip Thickness | Nominal Thickness of Outer Sheath | | | | | Approx. Overall Diameter | | | | | Normal Current Rating (Ground) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 Core | 2 Core | 3 Core | 3.5 Core | 4 Core | 1 Core | 2 Core | 3 Core | 3.5 Core | 4 Core | 1 Core | 2 Core | 3 Core | 3.5 Core | 4 Core |
| | Sq. mm. | No's | mm | mm | mm | | | | | mm | | | | | Amps | | | | |
| HIM 3001-XC | 10 | 1 | 0.70 | 4 x 0.80 | 1.24 | 1.24 | 1.24 | - | 1.40 | 12 | 16 | 16 | - | 18 | 59 | 57 | 57 | - | 57 |
| HIM 3002-XC | 16 | 6 | 0.70 | | 1.24 | 1.40 | 1.24 | - | 1.40 | 12 | 17 | 18 | - | 20 | 76 | 78 | 78 | - | 78 |
| HIM 3003-XC | 25 | 6 | 0.90 | | 1.24 | 1.40 | 1.40 | 1.40 | 1.40 | 14 | 18 | 20 | 22 | 22 | 99 | 95 | 95 | 95 | 95 |
| HIM 3004-XC | 35 | 6 | 0.90 | | 1.24 | 1.40 | 1.40 | 1.40 | 1.40 | 15 | 20 | 22 | 24 | 25 | 117 | 116 | 116 | 116 | 116 |
| HIM 3005-XC | 50 | 6 | 1.00 | | 1.24 | 1.40 | 1.40 | 1.40 | 1.56 | 16 | 22 | 25 | 27 | 28 | 138 | 140 | 140 | 140 | 140 |
| HIM 3006-XC | 70 | 12 | 1.10 | | 1.24 | 1.56 | 1.56 | 1.56 | 1.56 | 18 | 25 | 29 | 31 | 32 | 168 | 170 | 170 | 170 | 170 |
| HIM 3007-XC | 95 | 15 | 1.10 | | 1.40 | 1.56 | 1.56 | 1.56 | 1.56 | 21 | 27 | 31 | 34 | 35 | 204 | 200 | 200 | 200 | 200 |
| HIM 3008-XC | 120 | 15 | 1.20 | | 1.40 | 1.56 | 1.56 | 1.72 | 1.72 | 22 | 30 | 34 | 38 | 39 | 230 | 225 | 225 | 225 | 225 |
| HIM 3009-XC | 150 | 15 | 1.40 | | 1.40 | 1.72 | 1.72 | 1.72 | 1.88 | 24 | 32 | 38 | 41 | 43 | 265 | 255 | 255 | 255 | 255 |
| HIM 3010-XC | 185 | 30 | 1.60 | | 1.40 | 1.72 | 1.88 | 1.88 | 2.04 | 26 | 35 | 42 | 46 | 48 | 295 | 285 | 285 | 285 | 285 |
| HIM 3011-XC | 240 | 30 | 1.70 | | 1.40 | 1.88 | 2.04 | 2.04 | 2.20 | 29 | 40 | 47 | 50 | 54 | 340 | 325 | 325 | 325 | 325 |
| HIM 3012-XC | 300 | 30 | 1.80 | | 1.56 | 2.04 | 2.20 | 2.20 | 2.36 | 32 | 43 | 52 | 55 | 61 | 390 | 370 | 370 | 370 | 370 |
| HIM 3013-XC | 400 | 53 | 2.00 | | 1.56 | 2.36 | 2.52 | 2.52 | 2.68 | 36 | 49 | 59 | 62 | 68 | 450 | 435 | 435 | 435 | 435 |
| HIM 3014-XC | 500 | 53 | 2.20 | | 1.56 | 2.52 | 2.68 | 2.68 | 2.84 | 40 | 54 | 65 | 74 | 75 | 500 | 481 | 481 | 481 | 481 |
| HIM 3015-XC | 630 | 53 | 2.40 | | 1.72 | 2.68 | 2.84 | 3.00 | 3.00 | 44 | 60 | 73 | 80 | 84 | 555 | 537 | 537 | 537 | 537 |







IS :7098
CM/L : 9991013

IS : 694
CM/L : 9763909

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