

N2XSEYKYRY

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|------------------------------|--|
| Conductor | Stranded (class 2) and compacted Plain annealed copper wires |
| Insulation | XLPE (cross-linked Polyethylene) |
| Core Screen | Consist of semiconductor layers and metallic screen |
| Conductor Screen | Semiconductor compound applied on conductor |
| Insulation Screen | Semiconductor compound applied on insulation |
| Additional Insulation Screen | A semiconductor tape wrapped on above layer |
| Core Metallic Screen | Copper tape wrapped with overlap on each core |
| Inner Covering | Extruded PVC |
| Metal Sheath | Lead Sheath (Cover) |
| Separation Sheath (Bedding) | Extruded PVC |
| Armour | Galvanized Steel Wires |
| Over-Sheath | Extruded PVC |



3.6/6 kV (IEC 60502 - 2)

| Nominal cross section area of conductor | Conductor Diameter | Insulation thickness | Diameter Under Armour | Armour Wire Diameter | Diameter Over Lead Sheath | Lead Sheath Thickness | Sheath thickness | Overall Diameter | Weight | Standard Packing Length |
|---|--------------------|----------------------|-----------------------|----------------------|---------------------------|-----------------------|------------------|------------------|--------|-------------------------|
| mm ² | mm | mm | mm | mm | mm | mm | mm | mm | Kg/Km | meter |
| 3x25 rm/16 | 5.8 | 2.5 | 40.7 | 2.5 | 38.1 | 1.7 | 2.5 | 50.7 | 6831 | 1000 |
| 3x35 rm/16 | 7.0 | 2.5 | 43.4 | 2.5 | 40.6 | 1.7 | 2.6 | 53.6 | 7607 | 1000 |
| 3x50 rm/16 | 8.2 | 2.5 | 46.6 | 2.5 | 43.8 | 1.8 | 2.7 | 57.0 | 8766 | 500 |
| 3x70 rm/16 | 9.9 | 2.5 | 50.7 | 2.5 | 47.7 | 1.9 | 2.8 | 61.3 | 10246 | 250 |
| 3x95 rm/16 | 11.5 | 2.5 | 54.5 | 2.5 | 51.3 | 2.0 | 3.0 | 65.5 | 11858 | 250 |
| 3x120 rm/16 | 13.0 | 2.5 | 58.3 | 2.5 | 55.1 | 2.1 | 3.1 | 69.5 | 13542 | 250 |
| 3x150 rm/25 | 14.5 | 2.5 | 62.0 | 3.2 | 58.6 | 2.2 | 3.2 | 74.7 | 16170 | 250 |
| 3x185 rm/25 | 16.1 | 2.5 | 66.7 | 3.2 | 63.1 | 2.3 | 3.4 | 79.8 | 18530 | 250 |
| 3x240 rm/25 | 18.5 | 2.6 | 72.9 | 3.2 | 69.1 | 2.5 | 3.6 | 86.4 | 21950 | 250 |

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6/10 kV (IEC 60502 - 2)

| Nominal cross section area of conductor | Conductor Diameter | Insulation thickness | Diameter Under Armour | Armour Wire Diameter | Diameter Over Lead Sheath | Lead Sheath Thickness | Sheath thickness | Overall Diameter | Weight | Standard Packing Length |
|---|--------------------|----------------------|-----------------------|----------------------|---------------------------|-----------------------|------------------|------------------|--------|-------------------------|
| mm ² | mm | mm | mm | mm | mm | mm | mm | mm | Kg/Km | meter |
| 3x25 rm/16 | 5.8 | 3.4 | 44.9 | 2.5 | 42.1 | 1.8 | 2.7 | 55.3 | 7820 | 500 |
| 3x35 rm/16 | 7.0 | 3.4 | 47.9 | 2.5 | 45.1 | 1.8 | 2.7 | 58.3 | 8650 | 500 |
| 3x50 rm/16 | 8.2 | 3.4 | 50.9 | 2.5 | 47.9 | 1.9 | 2.9 | 61.7 | 9842 | 500 |
| 3x70 rm/16 | 9.9 | 3.4 | 55.5 | 2.5 | 52.3 | 2.1 | 3.1 | 66.7 | 11679 | 250 |
| 3x95 rm/16 | 11.5 | 3.4 | 59.0 | 2.5 | 55.8 | 2.1 | 3.1 | 70.2 | 13079 | 250 |
| 3x120 rm/16 | 13.0 | 3.4 | 62.6 | 3.2 | 59.2 | 2.2 | 3.3 | 75.5 | 15686 | 250 |
| 3x150 rm/25 | 14.5 | 3.4 | 66.2 | 3.2 | 62.6 | 2.3 | 3.4 | 79.3 | 17538 | 250 |
| 3x185 rm/25 | 16.1 | 3.4 | 70.9 | 3.2 | 67.1 | 2.4 | 3.5 | 84.2 | 19929 | 250 |
| 3x240 rm/25 | 18.5 | 3.4 | 77.3 | 3.2 | 73.3 | 2.7 | 3.8 | 91.2 | 23558 | 250 |

8.7/15 kV (IEC 60502 - 2)

| Nominal cross section area of conductor | Conductor Diameter | Insulation thickness | Diameter Under Armour | Armour Wire Diameter | Diameter Over Lead Sheath | Lead Sheath Thickness | Sheath thickness | Overall Diameter | Weight | Standard Packing Length |
|---|--------------------|----------------------|-----------------------|----------------------|---------------------------|-----------------------|------------------|------------------|--------|-------------------------|
| mm ² | mm | mm | mm | mm | mm | mm | mm | mm | Kg/Km | meter |
| 3x25 rm/16 | 5.8 | 4.5 | 50.5 | 2.5 | 47.5 | 1.9 | 2.8 | 61.1 | 9207 | 500 |
| 3x35 rm/16 | 7.0 | 4.5 | 53.2 | 2.5 | 50.2 | 2.0 | 2.9 | 64.0 | 10259 | 250 |
| 3x50 rm/16 | 8.2 | 4.5 | 56.2 | 2.5 | 53.0 | 2.1 | 3.0 | 67.2 | 11460 | 250 |
| 3x70 rm/16 | 9.9 | 4.5 | 60.7 | 3.2 | 57.3 | 2.2 | 3.2 | 73.4 | 14106 | 250 |
| 3x95 rm/16 | 11.5 | 4.5 | 64.3 | 3.2 | 60.9 | 2.3 | 3.3 | 77.2 | 15682 | 250 |
| 3x120 rm/16 | 13.0 | 4.5 | 67.9 | 3.2 | 64.3 | 2.4 | 3.5 | 81.2 | 17539 | 250 |
| 3x150 rm/25 | 14.5 | 4.5 | 71.6 | 3.2 | 67.8 | 2.5 | 3.6 | 85.1 | 19468 | 250 |
| 3x185 rm/25 | 16.1 | 4.5 | 76.7 | 3.2 | 72.7 | 2.6 | 3.8 | 90.6 | 21914 | 250 |
| 3x240 rm/25 | 18.5 | 4.5 | 82.2 | 4.0 | 78.0 | 2.7 | 4.0 | 98.2 | 26906 | 250 |

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12/20 kV (IEC 60502 - 2)

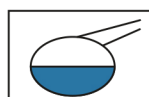
| Nominal cross section area of conductor | Conductor Diameter | Insulation thickness | Diameter Under Armour | Armour Wire Diameter | Diameter Over Lead Sheath | Lead Sheath Thickness | Sheath thickness | Overall Diameter | Weight | Standard Packing Length |
|---|--------------------|----------------------|-----------------------|----------------------|---------------------------|-----------------------|------------------|------------------|--------|-------------------------|
| mm ² | mm | mm | mm | mm | mm | mm | mm | mm | Kg/Km | meter |
| 3x25 rm/16 | 5.8 | 5.5 | 55.4 | 2.5 | 52.2 | 2.1 | 3.0 | 66.4 | 10542 | 250 |
| 3x35 rm/16 | 7.0 | 5.5 | 58.7 | 2.5 | 55.3 | 2.2 | 3.2 | 70.1 | 11791 | 250 |
| 3x50 rm/16 | 8.2 | 5.5 | 61.7 | 3.2 | 58.1 | 2.3 | 3.4 | 74.8 | 13987 | 250 |
| 3x70 rm/16 | 9.9 | 5.5 | 65.6 | 3.2 | 62.0 | 2.4 | 3.5 | 78.9 | 15827 | 250 |
| 3x95 rm/16 | 11.5 | 5.5 | 69.0 | 3.2 | 65.4 | 2.4 | 3.5 | 82.3 | 17250 | 250 |
| 3x120 rm/16 | 13.0 | 5.5 | 72.6 | 3.2 | 68.8 | 2.5 | 3.6 | 86.1 | 19067 | 250 |
| 3x150 rm/25 | 14.5 | 5.5 | 76.7 | 4.0 | 72.7 | 2.6 | 3.8 | 92.3 | 22592 | 250 |
| 3x185 rm/25 | 16.1 | 5.5 | 81.2 | 4.0 | 77.2 | 2.7 | 4.0 | 97.2 | 25258 | 250 |
| 3x240 rm/25 | 18.5 | 5.5 | 86.7 | 4.0 | 82.5 | 2.8 | 4.1 | 102.9 | 28667 | 250 |

Additional Options (by request)

A) Based on “PVC” Sheath



Reduced smoke PVC
Tested acc to ASTM E662
&
Improved Flame Retardant
acc to IEC 60332-3



Oil & Chemical
Resistant PVC Sheath
Acc to ICEA S-82-552
(Equal to NEMA WC55)



UV Resistant PVC Sheath
Acc to UL 1581-1200

B) Based on “Halogen Free” Construction

Cable Type : N2XSEHKHRH (Multi-Core) &
Cu/XLPE/SC/FRLH/LC/FRLH/AWA/FRLH (Single Core)



Low Halogen Acid & Gas
acc to IEC 60754-1&2
IEC 60502 ST8



Low smoke
Acc to IEC 61034