

NYFGbY 2 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

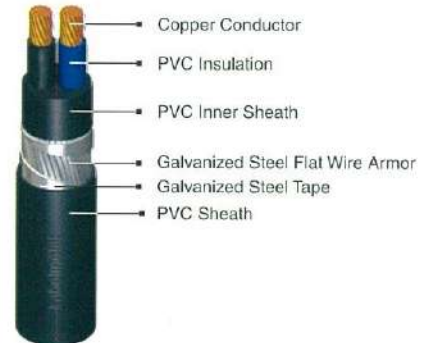
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 1.5 | 17.9 | 611 |
| 2.5 | 18.0 | 630 |
| 4 | 17.8 | 648 |
| 6 | 18.1 | 687 |
| 10 | 20.5 | 881 |
| 16 | 22.5 | 1,085 |
| 25 | 25.5 | 1,428 |
| 35 | 27.5 | 1,753 |
| 50 | 31.0 | 2,120 |
| 70 | 35.0 | 2,716 |
| 95 | 39.5 | 3,528 |
| 120 | 43.0 | 4,177 |
| 150 | 47.0 | 5,012 |
| 185 | 52.0 | 6,116 |
| 240 | 58.0 | 7,695 |
| 300 | 64.0 | 9,384 |

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

Special Features on Request :

- Tin Coated Copper Conductor
- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

16 sqmm supplied in non compacted circular stranded (rm) conductor shape

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 95 sqmm supplied in wooden drum @ 1000 m

120 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

| Nom. Cross Sect. | Conductor | | Inductance | Current - Carrying Capacity at 30°C * | | Short circuit current at 1 sec |
|--------------------|-----------------------|-----------------------|------------|---------------------------------------|-----------|--------------------------------|
| | DC Resistance at 20°C | AC Resistance at 70°C | | in air | in ground | |
| | Max. (Ω/km) | Max. (Ω/km) | | Max. (A) | Max. (A) | |
| (mm ²) | | | (mH/km) | | | Max. (kA) |
| 1.5 | 12.1 | 14.478 | 0.351 | 24 | 27 | 0.17 |
| 2.5 | 7.41 | 8.866 | 0.315 | 32 | 36 | 0.29 |
| 4 | 4.61 | 5.516 | 0.303 | 42 | 48 | 0.46 |
| 6 | 3.08 | 3.685 | 0.288 | 53 | 61 | 0.69 |
| 10 | 1.83 | 2.190 | 0.269 | 73 | 81 | 1.15 |
| 16 | 1.15 | 1.376 | 0.255 | 96 | 106 | 1.84 |
| 25 | 0.727 | 0.870 | 0.255 | 126 | 136 | 2.88 |
| 35 | 0.524 | 0.627 | 0.246 | 155 | 164 | 4.03 |
| 50 | 0.387 | 0.464 | 0.247 | 186 | 194 | 5.75 |
| 70 | 0.268 | 0.321 | 0.238 | 235 | 239 | 8.05 |
| 95 | 0.193 | 0.232 | 0.238 | 286 | 284 | 10.93 |
| 120 | 0.153 | 0.184 | 0.233 | 331 | 324 | 13.80 |
| 150 | 0.124 | 0.150 | 0.233 | 377 | 364 | 17.25 |
| 185 | 0.0991 | 0.121 | 0.233 | 430 | 408 | 21.28 |
| 240 | 0.0754 | 0.093 | 0.232 | 507 | 472 | 27.60 |
| 300 | 0.0601 | 0.075 | 0.231 | 577 | 530 | 34.50 |

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NYFGbY 3 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

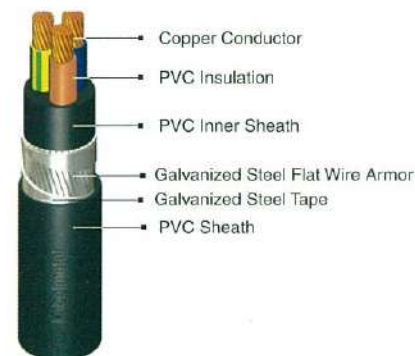
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 1.5 | 17.8 | 620 |
| 2.5 | 18.0 | 648 |
| 4 | 18.0 | 681 |
| 6 | 19.0 | 789 |
| 10 | 21.5 | 997 |
| 16 | 23.5 | 1,280 |
| 25 | 27.0 | 1,709 |
| 35 | 29.5 | 2,123 |
| 50 | 32.0 | 2,444 |
| 70 | 36.0 | 3,217 |
| 95 | 40.5 | 4,171 |
| 120 | 43.5 | 4,957 |
| 150 | 48.0 | 6,011 |
| 185 | 52.5 | 7,319 |
| 240 | 59.0 | 9,324 |
| 300 | 64.5 | 11,344 |

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

Special Features on Request :

- Tin Coated Copper Conductor
- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape
 16 sqmm supplied in non compacted circular stranded (rm) conductor shape
 25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape
 50 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 70 sqmm supplied in wooden drum @ 1000 m
 95 - 300 sqmm will be supplied in wooden drum on available length
 Length Tolerance per drum ± 2%

Electrical Data

| Nom. Cross Sect. (mm ²) | Conductor | | Inductance (mH/km) | Current - Carrying Capacity at 30°C * | | Short circuit current at 1 sec (kA) |
|-------------------------------------|-----------------------|-----------------------|--------------------|---------------------------------------|-----------|-------------------------------------|
| | DC Resistance at 20°C | AC Resistance at 70°C | | in air | in ground | |
| | | | | | | |
| 1.5 | 12.1 | 14.478 | 0.351 | 20 | 23 | 0.17 |
| 2.5 | 7.41 | 8.866 | 0.315 | 27 | 31 | 0.29 |
| 4 | 4.61 | 5.516 | 0.303 | 36 | 41 | 0.46 |
| 6 | 3.08 | 3.685 | 0.288 | 45 | 52 | 0.69 |
| 10 | 1.83 | 2.190 | 0.269 | 62 | 69 | 1.15 |
| 16 | 1.15 | 1.376 | 0.255 | 82 | 90 | 1.84 |
| 25 | 0.727 | 0.870 | 0.255 | 108 | 116 | 2.88 |
| 35 | 0.524 | 0.627 | 0.246 | 133 | 139 | 4.03 |
| 50 | 0.387 | 0.464 | 0.247 | 166 | 171 | 5.75 |
| 70 | 0.268 | 0.321 | 0.238 | 208 | 209 | 8.05 |
| 95 | 0.193 | 0.232 | 0.238 | 255 | 250 | 10.93 |
| 120 | 0.153 | 0.184 | 0.233 | 295 | 284 | 13.80 |
| 150 | 0.124 | 0.150 | 0.233 | 337 | 318 | 17.25 |
| 185 | 0.0991 | 0.121 | 0.233 | 387 | 359 | 21.28 |
| 240 | 0.0754 | 0.093 | 0.232 | 457 | 414 | 27.60 |
| 300 | 0.0601 | 0.075 | 0.231 | 523 | 466 | 34.50 |

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NYFGbY 4 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 1.5 | 17.9 | 630 |
| 2.5 | 18.0 | 662 |
| 4 | 19.0 | 773 |
| 6 | 20.5 | 912 |
| 10 | 23.0 | 1,174 |
| 16 | 25.5 | 1,520 |
| 25 | 29.0 | 2,053 |
| 35 | 32.0 | 2,584 |
| 50 | 37.5 | 3,173 |
| 70 | 40.5 | 4,087 |
| 95 | 46.5 | 5,359 |
| 120 | 50.5 | 6,459 |
| 150 | 56.5 | 7,868 |
| 185 | 61.0 | 9,556 |
| 240 | 68.0 | 12,138 |
| 300 | 74.5 | 14,773 |

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

Special Features on Request :

- Tin Coated Copper Conductor
- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

16 sqmm supplied in non compacted circular stranded (rm) conductor shape

25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape

50 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 50 sqmm supplied in wooden drum @ 1000 m

70 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

| Nom. Cross Sect. | Conductor | | Inductance | Current - Carrying Capacity at 30°C * | | Short circuit current at 1 sec |
|--------------------|-----------------------|-----------------------|------------|---------------------------------------|-----------|--------------------------------|
| | DC Resistance at 20°C | AC Resistance at 70°C | | in air | in ground | |
| | Max. (Ω/km) | Max. (Ω/km) | | Max. (A) | Max. (A) | |
| (mm ²) | | | (mH/km) | | | Max. (kA) |
| 1.5 | 12.1 | 14.478 | 0.340 | 23 | 27 | 0.17 |
| 2.5 | 7.41 | 8.866 | 0.315 | 31 | 36 | 0.29 |
| 4 | 4.61 | 5.516 | 0.303 | 41 | 48 | 0.46 |
| 6 | 3.08 | 3.685 | 0.288 | 52 | 59 | 0.69 |
| 10 | 1.83 | 2.190 | 0.269 | 71 | 79 | 1.15 |
| 16 | 1.15 | 1.376 | 0.255 | 94 | 101 | 1.84 |
| 25 | 0.727 | 0.870 | 0.255 | 126 | 131 | 2.88 |
| 35 | 0.524 | 0.627 | 0.246 | 154 | 157 | 4.03 |
| 50 | 0.387 | 0.464 | 0.247 | 177 | 176 | 5.75 |
| 70 | 0.268 | 0.321 | 0.238 | 221 | 215 | 8.05 |
| 95 | 0.193 | 0.232 | 0.238 | 272 | 257 | 10.93 |
| 120 | 0.153 | 0.184 | 0.233 | 314 | 292 | 13.80 |
| 150 | 0.124 | 0.150 | 0.233 | 363 | 330 | 17.25 |
| 185 | 0.0991 | 0.121 | 0.233 | 412 | 369 | 21.28 |
| 240 | 0.0754 | 0.093 | 0.232 | 488 | 427 | 27.60 |
| 300 | 0.0601 | 0.075 | 0.231 | 559 | 481 | 34.50 |

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NYFGbY 5 x (1.5-50) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

| Nom. Cross Section Area | Overall Diameter approx. | Cable Weight approx. |
|-------------------------|--------------------------|----------------------|
| mm ² | mm | kg/km |
| 1.5 | 17.8 | 642 |
| 2.5 | 17.9 | 682 |
| 4 | 20.5 | 891 |
| 6 | 22.0 | 1,056 |
| 10 | 24.5 | 1,391 |
| 16 | 27.5 | 1,778 |
| 25 | 32.0 | 2,463 |
| 35 | 35.0 | 3,106 |
| 50 | 40.0 | 3,904 |

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

Special Features on Request :

- Tin Coated Copper Conductor
- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

16 sqmm supplied in non compacted circular stranded (rm) conductor shape

25 - 50 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 50 sqmm supplied in wooden drum @ 1000 m

Length Tolerance per drum \pm 2%

Electrical Data

| Nom. Cross Sect. (mm ²) | Conductor | | Inductance (mH/km) | Current - Carrying Capacity at 30°C * | | Short circuit current at 1 sec Max. (kA) |
|-------------------------------------|--|--|--------------------|---------------------------------------|--------------------|--|
| | DC Resistance at 20°C Max. (Ω /km) | AC Resistance at 70°C Max. (Ω /km) | | Capacity | | |
| | | | | in air Max. (A) | in ground Max. (A) | |
| 1.5 | 12.1 | 14.478 | 0.340 | 24 | 28 | 0.17 |
| 2.5 | 7.41 | 8.866 | 0.304 | 32 | 37 | 0.29 |
| 4 | 4.61 | 5.516 | 0.303 | 43 | 48 | 0.46 |
| 6 | 3.08 | 3.685 | 0.288 | 54 | 60 | 0.69 |
| 10 | 1.83 | 2.190 | 0.269 | 74 | 80 | 1.15 |
| 16 | 1.15 | 1.376 | 0.255 | 97 | 103 | 1.84 |
| 25 | 0.727 | 0.870 | 0.255 | 130 | 133 | 2.88 |
| 35 | 0.524 | 0.627 | 0.246 | 160 | 159 | 4.03 |
| 50 | 0.387 | 0.464 | 0.247 | 194 | 188 | 5.75 |

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information