

# N2XH FE 180

TS HD 604 S1, VDE 0276



## YAPISI / CONSTRUCTION

1. Bir ya da Çok Telli Bakır İletken
  2. Mika Bant
  3. Çapraz Bağlı Polietilen (XLPE)
  4. Halojen İçermeyen Alev Geciktiricili (HFFR) Dolgu
  5. Halojen İçermeyen Alev Geciktiricili (HFFR) Kılıf
1. Solid Or Stranded Copper Conductor
  2. Mica Tape
  3. Cross Linkable Polyethylene (XLPE)
  4. Halogen Free Flame Retardant (HFFR) Filler
  5. Halogen Free Flame Retardant (HFFR) Outer Sheath



## TEKNİK BİLGİLER/ TECHNICAL DATA

|                            |          |
|----------------------------|----------|
| Max. Çalışma Sıcaklığı:    | 90 °C    |
| Minimum Bükülme Yarıçapı : | 15xD     |
| Kısa Devre Sıcaklığı :     | 250 °C   |
| Anma Gerilimi :            | 0,6/1 kV |
| Max. Operating Temp. :     | 90 °C    |
| Minimum Bending Radius :   | 15xD     |
| Max. Short Circuit Temp.:  | 250 °C   |
| Rated voltage :            | 0,6/1 kV |

## KULLANIM YERLERİ/ APPLICATION

- N2XH FE 180 güvenlik kablosu endüstriyel tesisler, toplu konutlar, oteller, havaalanları, yeraltı istasyonları, tren istasyonları, hastaneler, alışveriş merkezleri, bankalar, okullar, çok katlı binalar, işlem kontrol merkezleri gibi yangın güvenliğinin kritik öneme sahip olduğu alanlarda kullanılır.

- N2XH FE 180 safety cable is used in areas where fire safety is critical, such as industrial facilities, public housing, hotels, airports, underground stations, train stations, hospitals, shopping malls, banks, schools, multi-storey buildings, process control centers.

# N2XH FE 180

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**victory**  
CABLE



| Nominal Kesit (mm <sup>2</sup> )         | Dış Çap (mm) Yaklaşık        | Net Ağırlık (kg/km) Yaklaşık | Standart Sevk Uzunluğu (m)   | 20°C'de İletken DC Direnci (ohm/km)      | Akım Taşıma Kapasitesi       |            |
|------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------------|------------------------------|------------|
|                                          |                              |                              |                              |                                          | Boruda (A)                   | Havada (B) |
| Nominal Cross Section (mm <sup>2</sup> ) | Overall Diameter (mm) Approx | Net Weight (kg/km) Approx.   | Standard Delivery Length (m) | Conductor DC Resistance at 20°C (ohm/km) | Current Carrying Capacity In |            |
|                                          |                              |                              |                              |                                          | Ground (A)                   | Air (A)    |

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|       |      |      |      |        |     |     |      |     |
|-------|------|------|------|--------|-----|-----|------|-----|
| 1x4   | 6,4  | 72   | 1000 | 4,61   | 66  | 55  | 56   | 44  |
| 1x6   | 6,9  | 86   | 1000 | 3,08   | 82  | 68  | 71   | 57  |
| 1x10  | 7,8  | 128  | 1000 | 1,83   | 109 | 90  | 96   | 77  |
| 1x16  | 8,8  | 199  | 1000 | 1,15   | 139 | 115 | 128  | 102 |
| 1x25  | 10,5 | 302  | 1000 | 0,727  | 179 | 149 | 173  | 139 |
| 1x35  | 11,7 | 395  | 1000 | 0,524  | 213 | 178 | 212  | 170 |
| 1x50  | 13,3 | 510  | 1000 | 0,387  | 251 | 211 | 258  | 208 |
| 1x70  | 15,2 | 745  | 1000 | 0,268  | 307 | 259 | 328  | 265 |
| 1x95  | 17,1 | 970  | 1000 | 0,193  | 366 | 310 | 404  | 326 |
| 1x120 | 19   | 1210 | 1000 | 0,153  | 416 | 352 | 471  | 381 |
| 1x150 | 20,9 | 1495 | 1000 | 0,124  | 465 | 396 | 541  | 438 |
| 1x185 | 23,3 | 1850 | 1000 | 0,0991 | 526 | 449 | 626  | 507 |
| 1x240 | 26,1 | 2370 | 500  | 0,0754 | 610 | 521 | 749  | 606 |
| 1x300 | 29   | 3000 | 500  | 0,0601 | 689 | 587 | 864  | 697 |
| 1x400 | 31   | 3750 | 500  | 0,047  | 788 | 669 | 1018 | 816 |
| 1x500 | 36   | 4930 | 1000 | 0,0366 | 889 | 748 | 1173 | 933 |
| 2x1,5 | 10,5 | 160  | 1000 | 12,1   | 37  | 26  |      |     |
| 2x2,5 | 12   | 200  | 1000 | 7,41   | 49  | 35  |      |     |
| 2x4   | 13   | 250  | 1000 | 4,61   | 64  | 46  |      |     |
| 2x6   | 14,5 | 300  | 1000 | 3,08   | 79  | 58  |      |     |

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| Nominal Kesit (mm <sup>2</sup> )         | Dış Çap (mm) Yaklaşık        | Net Ağırlık (kg/km) Yaklaşık | Standart Sevk Uzunluğu (m)   | 20°C'de İletken DC Direnci (ohm/km)      | Akım Taşıma Kapasitesi       |            |
|------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------------|------------------------------|------------|
|                                          |                              |                              |                              |                                          | Boruda (A)                   | Havada (B) |
| Nominal Cross Section (mm <sup>2</sup> ) | Overall Diameter (mm) Approx | Net Weight (kg/km) Approx.   | Standard Delivery Length (m) | Conductor DC Resistance at 20°C (ohm/km) | Current Carrying Capacity In |            |
|                                          |                              |                              |                              |                                          | Ground (A)                   | Air (A)    |
| 2x10                                     | 16                           | 450                          | 1000                         | 1,83                                     | 106                          | 79         |
| 2x16                                     | 18                           | 600                          | 1000                         | 1,15                                     | 137                          | 104        |
| 2x25                                     | 21                           | 900                          | 1000                         | 0,727                                    | 176                          | 141        |
| 2x35                                     | 23                           | 1120                         | 1000                         | 0,524                                    | 213                          | 174        |
| 2x50                                     | 27                           | 1450                         | 1000                         | 0,387                                    | 252                          | 212        |
| 2x70                                     | 29                           | 2050                         | 1000                         | 0,268                                    | 310                          | 268        |
| 2x95                                     | 34                           | 2720                         | 1000                         | 0,193                                    | 361                          | 331        |
| 2x120                                    | 37                           | 3390                         | 1000                         | 0,153                                    | 412                          | 385        |
| 2x150                                    | 41                           | 4100                         | 500                          | 0,124                                    | 464                          | 440        |
| 2x185                                    | 47                           | 5250                         | 500                          | 0,0991                                   | 525                          | 507        |
| 2x240                                    | 53                           | 6700                         | 500                          | 0,0754                                   | 608                          | 595        |

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|       |      |       |      |        |     |     |
|-------|------|-------|------|--------|-----|-----|
| 3x1,5 | 11   | 180   | 1000 | 12,1   | 30  | 24  |
| 3x2,5 | 12,5 | 220   | 1000 | 7,41   | 40  | 32  |
| 3x4   | 13   | 290   | 1000 | 4,61   | 52  | 42  |
| 3x6   | 14,5 | 390   | 1000 | 3,08   | 64  | 53  |
| 3x10  | 17   | 540   | 1000 | 1,83   | 86  | 73  |
| 3x16  | 19   | 760   | 1000 | 1,15   | 111 | 96  |
| 3x25  | 23   | 1110  | 1000 | 0,727  | 143 | 130 |
| 3x35  | 24   | 1440  | 1000 | 0,524  | 173 | 160 |
| 3x50  | 27   | 1870  | 1000 | 0,387  | 205 | 195 |
| 3x70  | 31   | 2680  | 500  | 0,268  | 252 | 247 |
| 3x95  | 36   | 3554  | 500  | 0,193  | 303 | 305 |
| 3x120 | 40   | 4450  | 500  | 0,153  | 346 | 355 |
| 3x150 | 45   | 5500  | 500  | 0,124  | 390 | 407 |
| 3x185 | 50   | 6900  | 500  | 0,0991 | 441 | 469 |
| 3x240 | 57   | 8900  | 500  | 0,0754 | 511 | 551 |
| 3x300 | 62   | 10950 | 500  | 0,0601 | 580 | 638 |
| 3x400 | 68   | 13850 | 500  | 0,047  | 663 | 746 |

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| Nominal Kesit (mm <sup>2</sup> )         | Dış Çap (mm) Yaklaşık        | Net Ağırlık (kg/km) Yaklaşık | Standart Sevk Uzunluğu (m)   | 20°C'de İletken DC Direnci (ohm/km)      | Akım Taşıma Kapasitesi       |            |
|------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------------|------------------------------|------------|
|                                          |                              |                              |                              |                                          | Boruda (A)                   | Havada (B) |
| Nominal Cross Section (mm <sup>2</sup> ) | Overall Diameter (mm) Approx | Net Weight (kg/km) Approx.   | Standard Delivery Length (m) | Conductor DC Resistance at 20°C (ohm/km) | Current Carrying Capacity In |            |
|                                          |                              |                              |                              |                                          | Ground (A)                   | Air (A)    |

|           |    |       |      |              |     |     |
|-----------|----|-------|------|--------------|-----|-----|
| 3x16+10   | 20 | 840   | 1000 | 1,15/ 1,83   | 111 | 96  |
| 3x25+16   | 24 | 1260  | 1000 | 0,727/ 1,15  | 143 | 130 |
| 3x35+16   | 25 | 1580  | 1000 | 0,524/ 1,15  | 173 | 160 |
| 3x50+25   | 29 | 2050  | 500  | 0,387/ 0,727 | 205 | 195 |
| 3x70+35   | 33 | 3100  | 500  | 0,268/ 0,524 | 252 | 247 |
| 3x95+50   | 37 | 4000  | 500  | 0,193/ 0,387 | 303 | 305 |
| 3x120+70  | 42 | 5100  | 500  | 0,153/ 0,268 | 346 | 355 |
| 3x150+70  | 46 | 6050  | 500  | 0,124/ 0,268 | 390 | 407 |
| 3x185+95  | 52 | 7750  | 500  | 0,0991/0,193 | 441 | 469 |
| 3x240+120 | 58 | 9900  | 500  | 0,0754/0,153 | 511 | 551 |
| 3x300+150 | 64 | 12300 | 500  | 0,0601/0,124 | 580 | 638 |
| 3x400+185 | 71 | 15450 | 500  | 0,047/0,0991 | 663 | 746 |

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|       |      |       |      |        |     |     |
|-------|------|-------|------|--------|-----|-----|
| 4x1,5 | 12   | 200   | 1000 | 12,1   | 30  | 24  |
| 4x2,5 | 13   | 250   | 1000 | 7,41   | 40  | 32  |
| 4x4   | 14   | 300   | 1000 | 4,61   | 52  | 42  |
| 4x6   | 15,5 | 400   | 1000 | 3,08   | 64  | 53  |
| 4x10  | 17,5 | 580   | 1000 | 1,83   | 86  | 73  |
| 4x16  | 20   | 850   | 1000 | 1,15   | 111 | 96  |
| 4x25  | 24,5 | 1300  | 1000 | 0,727  | 143 | 130 |
| 4x35  | 26   | 1700  | 1000 | 0,524  | 173 | 160 |
| 4x50  | 30   | 2300  | 500  | 0,387  | 205 | 195 |
| 4x70  | 34   | 3200  | 500  | 0,268  | 252 | 247 |
| 4x95  | 38   | 4250  | 500  | 0,193  | 303 | 305 |
| 4x120 | 43   | 5400  | 500  | 0,153  | 346 | 355 |
| 4x150 | 48   | 6600  | 500  | 0,124  | 390 | 407 |
| 4x185 | 53   | 8200  | 500  | 0,0991 | 441 | 469 |
| 4x240 | 61   | 10600 | 500  | 0,0754 | 511 | 551 |
| 4x300 | 67   | 13200 | 500  | 0,0601 | 580 | 638 |
| 4x400 | 76   | 16900 | 500  | 0,047  | 663 | 746 |

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|------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------------|------------------------------|------------|
|                                          |                              |                              |                              |                                          | Boruda (A)                   | Havada (B) |
| Nominal Cross Section (mm <sup>2</sup> ) | Overall Diameter (mm) Approx | Net Weight (kg/km) Approx.   | Standard Delivery Length (m) | Conductor DC Resistance at 20°C (ohm/km) | Current Carrying Capacity In |            |
|                                          |                              |                              |                              |                                          | Ground (A)                   | Air (A)    |

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|        |      |      |      |       |     |     |
|--------|------|------|------|-------|-----|-----|
| 5G 1,5 | 11,7 | 204  | 1000 | 12,1  | 30  | 24  |
| 5G 2,5 | 13   | 272  | 1000 | 7,41  | 40  | 32  |
| 5G 4   | 14,4 | 374  | 1000 | 4,61  | 52  | 42  |
| 5G 6   | 15,7 | 485  | 1000 | 3,08  | 64  | 53  |
| 5G 10  | 18,7 | 729  | 1000 | 1,83  | 86  | 73  |
| 5G 16  | 21,8 | 1082 | 1000 | 1,15  | 111 | 96  |
| 5G 25  | 25,6 | 1605 | 1000 | 0,727 | 143 | 130 |
| 5G 35  | 28,7 | 2139 | 1000 | 0,524 | 173 | 160 |