

N2XH FE 180



- 1) Som ve Örgülü Bakır
Solid or Stranded Copper
- 2) Mika Bant
Mica Band
- 3) XLPE İzole
XLPE Insulation
- 4) HFFR Dolgu
HFFR Filler
- 5) HFFR Dış Kılıf
HFFR Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD

TS HD 604 S1

ÖZELLİK

Yangın esnasında yoğun duman tabakası oluşturmayan IEC 60331-21'e göre alev altında 180 dakika enerji iletimini sağlayan özel kablo

SPECIALITY

A special cable. which does not produce a dense smoke during a fire. and provide energy transmission under flame for 180 minutes according to IEC 60331-21

TEKNİK BİLGİLER

| | |
|--------------------------------|-----------|
| İzin verilen işletme sıcaklığı | : 90 °C |
| Kısa devre sıcaklığı | : 250 °C |
| Test gerilimi (AC) | : 4 kV |
| Serim sıcaklığı min | : 5°C |
| Minimum Bükme Yarı Çapı | : 12xD |
| Anma gerilimi | : 0.6/1kV |

KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde. bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde. tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

| | |
|-----------------------------------|-----------|
| Permissible operating temperature | : 90 °C |
| Short circuit temperature | : 250 °C |
| Test Voltage (AC) | : 4 kV |
| Installation temperature minimum | : 5°C |
| Minimum Bending Radius | : 12xD |
| Rated Voltage | : 0.6/1kV |

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises. tunnels and power plants.



TEKNİK ÖZELLİKLER TECHNICAL DATA

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N2XH FE 180 (0.6/kV)

| Nominal Kesit | Kablo Dış Çapı(Yaklaşık) | Akım Taşıma Kapasitesi | | İletken DC Direnci (20°C) | Net Ağırlık (Yaklaşık) | Ambalaj miktarı | Ambalaj |
|---------------------|------------------------------------|------------------------------|----------|---------------------------------|------------------------|-------------------|----------------------------------|
| | | Havada | Toprakta | | | | |
| Rated Cross-section | Overall Diameter of Cable (Approx) | Current Carrying Capacity in | | Conductor DC Resistance at 20°C | Net Weight (Approx) | Amount of Packing | Packing |
| mm ² | mm | Air | Ground | ohm / km | kg / km | m | C: Kangal/Coil R: Makara/Reel |

| | | | | | | | |
|----------|--------|-----|-----|--------|-------|------|--------|
| 1X10 rm | 8.15 | 77 | 89 | 1.83 | 135 | 1000 | R 600 |
| 1X16 rm | 9.15 | 102 | 115 | 1.15 | 193 | 1000 | R 700 |
| 1X25 rm | 10.95 | 138 | 148 | 0.727 | 289 | 1000 | R 800 |
| 1X35 rm | 12.05 | 170 | 177 | 0.524 | 380 | 1000 | R 800 |
| 1X50 rm | 13.646 | 207 | 209 | 0.387 | 502 | 1000 | R 900 |
| 1X70 rm | 15.674 | 263 | 256 | 0.268 | 710 | 1000 | R 1000 |
| 1X95 rm | 17.65 | 325 | 307 | 0.198 | 957 | 1000 | R 1000 |
| 1X120 rm | 19.158 | 380 | 349 | 0.153 | 1189 | 1000 | R 1100 |
| 1X150 rm | 21.238 | 437 | 393 | 0.124 | 1460 | 1000 | R 1100 |
| 1X185 rm | 23.89 | 507 | 445 | 0.0991 | 1838 | 1000 | R 1300 |
| 1X240 rm | 26.75 | 604 | 517 | 0.0754 | 2382 | 1000 | R 1400 |
| 1X300 rm | 28.882 | 697 | 663 | 0.0601 | 2868 | 1000 | R 1500 |
| 2X1.5 re | 9.85 | 24 | 31 | 12.1 | 150 | 1000 | R 700 |
| 2X2.5 re | 10.55 | 32 | 40 | 7.41 | 182 | 1000 | R 700 |
| 2X4 re | 11.55 | 42 | 52 | 4.61 | 232 | 1000 | R 800 |
| 2X6 re | 12.658 | 53 | 64 | 3.08 | 294 | 1000 | R 800 |
| 2X10 rm | 15.154 | 74 | 86 | 1.83 | 454 | 1000 | R 1000 |
| 2X16 rm | 17.234 | 98 | 112 | 1.15 | 630 | 1000 | R 1000 |
| 2X25 rm | 20.978 | 133 | 145 | 0.727 | 949 | 1000 | R 1100 |
| 2X35 rm | 23.266 | 162 | 174 | 0.524 | 1043 | 1000 | R 1300 |
| 3X1.5 re | 10.36 | 24 | 31 | 12.1 | 183 | 1000 | R 700 |
| 3X2.5 re | 11.12 | 32 | 40 | 7.41 | 225 | 1000 | R 800 |
| 3X4 re | 12.20 | 42 | 52 | 4.61 | 290 | 1000 | R 800 |
| 3X6 re | 13.31 | 53 | 64 | 3.08 | 369 | 1000 | R 900 |
| 3X10 rm | 15.89 | 74 | 86 | 1.83 | 547 | 1000 | R 1000 |
| 3X16 rm | 18.14 | 98 | 112 | 1.15 | 764 | 1000 | R 1100 |
| 3X25 rm | 22.18 | 133 | 145 | 0.727 | 1171 | 1000 | R 1200 |
| 3X35 rm | 24.66 | 162 | 174 | 0.524 | 1519 | 1000 | R 1400 |
| 3X50 rm | 28.14 | 197 | 206 | 0.387 | 2002 | 1000 | R 1500 |
| 3X70 rm | 33.45 | 250 | 254 | 0.268 | 2871 | 1000 | R 1600 |
| 3X95 rm | 37.83 | 308 | 305 | 0.198 | 3805 | 1000 | R 1700 |
| 3X120 rm | 41.08 | 359 | 348 | 0.153 | 4673 | 500 | R 1500 |
| 3X150 rm | 45.58 | 412 | 392 | 0.124 | 5760 | 500 | R 1600 |
| 3X185 rm | 51.30 | 475 | 444 | 0.0991 | 7276 | 500 | R 1700 |
| 3X240 rm | 57.48 | 564 | 517 | 0.0754 | 9333 | 250 | R 1500 |
| 3X300 rm | 62.09 | 649 | 585 | 0.0754 | 11105 | 250 | R 1500 |

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|---------------------|------------------------------------|------------------------------|----------|---------------------------------|------------------------|-------------------|----------------------------------|
| | | Havada | Toprakta | | | | |
| Rated Cross-section | Overall Diameter of Cable (Approx) | Current Carrying Capacity in | | Conductor DC Resistance at 20°C | Net Weight (Approx) | Amount of Packing | Packing |
| mm ² | mm | Air | Ground | ohm / km | kg / km | m | C: Kangal/Coil R: Makara/Reel |

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|----------|--------|-----|-----|--------|-------|------|--------|
| 1X10 rm | 8.15 | 77 | 89 | 1.83 | 135 | 1000 | R 600 |
| 1X16 rm | 9.15 | 102 | 115 | 1.15 | 193 | 1000 | R 700 |
| 1X25 rm | 10.95 | 138 | 148 | 0.727 | 289 | 1000 | R 800 |
| 1X35 rm | 12.05 | 170 | 177 | 0.524 | 380 | 1000 | R 800 |
| 1X50 rm | 13.646 | 207 | 209 | 0.387 | 502 | 1000 | R 900 |
| 1X70 rm | 15.674 | 263 | 256 | 0.268 | 710 | 1000 | R 1000 |
| 1X95 rm | 17.65 | 325 | 307 | 0.198 | 957 | 1000 | R 1000 |
| 1X120 rm | 19.158 | 380 | 349 | 0.153 | 1189 | 1000 | R 1100 |
| 1X150 rm | 21.238 | 437 | 393 | 0.124 | 1460 | 1000 | R 1100 |
| 1X185 rm | 23.89 | 507 | 445 | 0.0991 | 1838 | 1000 | R 1300 |
| 1X240 rm | 26.75 | 604 | 517 | 0.0754 | 2382 | 1000 | R 1400 |
| 1X300 rm | 28.882 | 697 | 663 | 0.0601 | 2868 | 1000 | R 1500 |
| 2X1.5 re | 9.85 | 24 | 31 | 12.1 | 150 | 1000 | R 700 |
| 2X2.5 re | 10.55 | 32 | 40 | 7.41 | 182 | 1000 | R 700 |
| 2X4 re | 11.55 | 42 | 52 | 4.61 | 232 | 1000 | R 800 |
| 2X6 re | 12.658 | 53 | 64 | 3.08 | 294 | 1000 | R 800 |
| 2X10 rm | 15.154 | 74 | 86 | 1.83 | 454 | 1000 | R 1000 |
| 2X16 rm | 17.234 | 98 | 112 | 1.15 | 630 | 1000 | R 1000 |
| 2X25 rm | 20.978 | 133 | 145 | 0.727 | 949 | 1000 | R 1100 |
| 2X35 rm | 23.266 | 162 | 174 | 0.524 | 1043 | 1000 | R 1300 |
| 3X1.5 re | 10.36 | 24 | 31 | 12.1 | 183 | 1000 | R 700 |
| 3X2.5 re | 11.12 | 32 | 40 | 7.41 | 225 | 1000 | R 800 |
| 3X4 re | 12.20 | 42 | 52 | 4.61 | 290 | 1000 | R 800 |
| 3X6 re | 13.31 | 53 | 64 | 3.08 | 369 | 1000 | R 900 |
| 3X10 rm | 15.89 | 74 | 86 | 1.83 | 547 | 1000 | R 1000 |
| 3X16 rm | 18.14 | 98 | 112 | 1.15 | 764 | 1000 | R 1100 |
| 3X25 rm | 22.18 | 133 | 145 | 0.727 | 1171 | 1000 | R 1200 |
| 3X35 rm | 24.66 | 162 | 174 | 0.524 | 1519 | 1000 | R 1400 |
| 3X50 rm | 28.14 | 197 | 206 | 0.387 | 2002 | 1000 | R 1500 |
| 3X70 rm | 33.45 | 250 | 254 | 0.268 | 2871 | 1000 | R 1600 |
| 3X95 rm | 37.83 | 308 | 305 | 0.198 | 3805 | 1000 | R 1700 |
| 3X120 rm | 41.08 | 359 | 348 | 0.153 | 4673 | 500 | R 1500 |
| 3X150 rm | 45.58 | 412 | 392 | 0.124 | 5760 | 500 | R 1600 |
| 3X185 rm | 51.30 | 475 | 444 | 0.0991 | 7276 | 500 | R 1700 |
| 3X240 rm | 57.48 | 564 | 517 | 0.0754 | 9333 | 250 | R 1500 |
| 3X300 rm | 62.09 | 649 | 585 | 0.0754 | 11105 | 250 | R 1500 |

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| Nominal Kesit | Kablo Dış Çapı(Yaklaşık) | Akım Taşıma Kapasitesi | | İletken DC Direnci (20°C) | Net Ağırlık (Yaklaşık) | Ambalaj miktarı | Ambalaj |
|---------------------|------------------------------------|------------------------------|----------|---------------------------------|------------------------|-------------------|----------------------------------|
| | | Havada | Toprakta | | | | |
| Rated Cross-section | Overall Diameter of Cable (Approx) | Current Carrying Capacity in | | Conductor DC Resistance at 20°C | Net Weight (Approx) | Amount of Packing | Packing |
| mm ² | mm | Air | Ground | ohm / km | kg / km | m | C: Kangal/Coil R: Makara/Reel |
| 4X1.5 re | 11.14 | 24 | 31 | 12.10 | 211 | 1000 | R 800 |
| 4X2.5 re | 11.99 | 32 | 40 | 7.41 | 264 | 1000 | R 800 |
| 4X4 re | 13.19 | 42 | 52 | 4.61 | 345 | 1000 | R 800 |
| 4X6 re | 14.46 | 53 | 64 | 3.08 | 444 | 1000 | R 900 |
| 4X10 rm | 17.97 | 74 | 86 | 1.83 | 694 | 1000 | R 1100 |
| 4X16 rm | 20.54 | 98 | 112 | 1.15 | 975 | 1000 | R 1100 |
| 4X25 rm | 25.39 | 133 | 145 | 0.727 | 1518 | 1000 | R 1400 |
| 4X35 rm | 28.25 | 162 | 174 | 0.524 | 1966 | 1000 | R 1500 |
| 4X50 rm | 32.11 | 197 | 206 | 0.387 | 2586 | 1000 | R 1600 |
| 4X70 rm | 37.05 | 250 | 254 | 0.268 | 3609 | 1000 | R 1800 |
| 4X95 rm | 41.81 | 308 | 305 | 0.198 | 4778 | 500 | R 1500 |
| 4X120 rm | 45.45 | 359 | 348 | 0.153 | 5888 | 500 | R 1500 |
| 4X150 rm | 50.53 | 412 | 392 | 0.124 | 7275 | 500 | R 1700 |
| 4X185 rm | 56.88 | 475 | 444 | 0.0991 | 9189 | 250 | R 1500 |
| 4X240 rm | 63.77 | 564 | 517 | 0.0754 | 11808 | 250 | R 1600 |
| 5X1.5 re | 12.93 | 24 | 31 | 12.10 | 282 | 1000 | R 800 |
| 5X2.5 re | 14.04 | 32 | 40 | 7.41 | 354 | 1000 | R 900 |
| 5X4 re | 15.39 | 42 | 52 | 4.61 | 458 | 1000 | R 1000 |
| 5X6 re | 16.82 | 53 | 64 | 3.08 | 585 | 1000 | R 1000 |
| 5X10 rm | 20.04 | 74 | 86 | 1.83 | 867 | 1000 | R 1100 |
| 5X16 rm | 22.90 | 98 | 112 | 1.15 | 1218 | 1000 | R 1300 |
| 5X25 rm | 27.85 | 133 | 145 | 0.727 | 1864 | 1000 | R 1500 |
| 5X35 rm | 31.45 | 162 | 174 | 0.524 | 2455 | 1000 | R 1600 |
| 5X50 rm | 35.34 | 197 | 206 | 0.387 | 3191 | 1000 | R 1700 |
| 5X70 rm | 40.86 | 250 | 254 | 0.268 | 4464 | 500 | R 1500 |
| 5X95 rm | 46.17 | 308 | 305 | 0.198 | 5920 | 500 | R 1600 |
| 5X120 rm | 50.24 | 359 | 348 | 0.153 | 7303 | 500 | R 1700 |
| 5X150 rm | 55.90 | 412 | 392 | 0.124 | 9031 | 500 | R 1800 |
| 5X185 rm | 62.98 | 475 | 444 | 0.0991 | 11417 | 250 | R 1600 |
| 5X240 rm | 70.68 | 564 | 517 | 0.0754 | 14685 | 250 | R 1700 |
| 3X16+10 rm | 19.95 | 98 | 112 | 1.15/1.83 | 826 | 1000 | R 1100 |
| 3X25+16 rm | 24.39 | 133 | 145 | 0.727/1.15 | 1269 | 1000 | R 1400 |
| 3X35+16 rm | 26.47 | 162 | 174 | 0.524/1.15 | 1611 | 1000 | R 1400 |
| 3X50+25 rm | 30.52 | 197 | 206 | 0.387/0.727 | 2165 | 1000 | R 1500 |
| 3X70+35 rm | 34.21 | 250 | 254 | 0.268/0.524 | 2969 | 1000 | R 1700 |
| 3X95+50 rm | 39.46 | 308 | 305 | 0.193/0.387 | 4029 | 500 | R 1500 |
| 3X120+70 rm | 43.42 | 359 | 348 | 0.153/0.268 | 5078 | 500 | R 1500 |
| 3X150+70 rm | 47.20 | 412 | 392 | 0.124/0.268 | 6058 | 500 | R 1600 |
| 3X185+95 rm | 53.21 | 475 | 444 | 0.0991/0.193 | 7706 | 500 | R 1800 |
| 3X240+120 rm | 58.40 | 564 | 517 | 0.754/0.153 | 9804 | 250 | R 1500 |