



# Red 1

This is the all-purpose wire rope (6x36 class) within the Teufelberger-Redaelli product portfolio. Manufactured exclusively from wire made in Europe, it meets the prerequisites of maximum reliability and consistent quality. Reliable, handling-friendly and suitable for all common rope applications. It is also available as a plastic-filled variant.

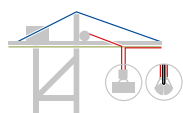
## Specifications

- Ordinary lay, right or left-handed
- 16-66 mm: 6x36WS-IWRC, RCN 09, n=216
- Filling factor  $f=0.62$
- Use without swivel

## Segments



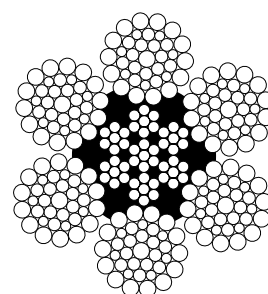
## Applications



Ship to shore crane  
& ship unloader

## Advantages

- ✓ Cost-effective 6-strand construction for applications with market-conforming line pulls
- ✓ Consistent quality meeting European manufacturing standards
- ✓ Made from high-quality wire



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## Technical specifications

| Construction                 | Nominal Ø |       | Rope length mass |        | MBF at rope grade |         |       |         |       |         |
|------------------------------|-----------|-------|------------------|--------|-------------------|---------|-------|---------|-------|---------|
|                              |           |       |                  |        | 1770              |         | 1960  |         | 2160  |         |
|                              | mm        | inch  | kg/m             | lbs/ft | kN                | lbf     | kN    | lbf     | kN    | lbf     |
| 6x36WS-IWRC<br>RCN 09, n=216 | 16        |       | 1.08             | 0.73   | 180               | 40,466  | 199   | 44,737  | 216   | 48,559  |
|                              | 17        |       | 1.22             | 0.82   | 203               | 45,636  | 225   | 50,582  | 244   | 54,853  |
|                              | 18        |       | 1.37             | 0.92   | 227               | 51,032  | 252   | 56,652  | 274   | 61,598  |
|                              | 19        | 3/4   | 1.53             | 1.03   | 253               | 56,877  | 281   | 63,171  | 305   | 68,567  |
|                              | 20        |       | 1.69             | 1.14   | 281               | 63,171  | 311   | 69,916  | 338   | 75,985  |
|                              | 22        |       | 2.05             | 1.38   | 340               | 76,435  | 376   | 84,528  | 409   | 91,947  |
|                              | 22.23     | 7/8   | 2.09             | 1.40   | 347               | 78,009  | 384   | 86,327  | 417   | 93,745  |
|                              | 23        |       | 2.24             | 1.51   | 371               | 83,404  | 411   | 92,396  | 447   | 100,490 |
|                              | 24        |       | 2.44             | 1.64   | 404               | 90,823  | 448   | 100,714 | 487   | 109,482 |
|                              | 25        |       | 2.65             | 1.78   | 439               | 98,691  | 486   | 109,257 | 528   | 118,699 |
|                              | 25.4      | 1     | 2.73             | 1.83   | 453               | 101,838 | 502   | 112,854 | 545   | 122,521 |
|                              | 26        |       | 2.86             | 1.92   | 475               | 106,784 | 526   | 118,250 | 571   | 128,366 |
|                              | 28        |       | 3.32             | 2.23   | 550               | 123,645 | 609   | 136,909 | 662   | 148,824 |
|                              | 28.58     | 1 1/8 | 3.46             | 2.33   | 573               | 128,816 | 635   | 142,754 | 690   | 155,118 |
|                              | 30        |       | 3.81             | 2.56   | 632               | 142,079 | 700   | 157,366 | 760   | 170,855 |
|                              | 31.75     | 1 1/4 | 4.27             | 2.87   | 708               | 159,165 | 784   | 176,250 | 852   | 191,537 |
|                              | 32        |       | 4.34             | 2.92   | 719               | 161,638 | 796   | 178,948 | 865   | 194,460 |
|                              | 34        |       | 4.89             | 3.29   | 812               | 182,545 | 899   | 202,103 | 977   | 219,638 |
|                              | 35        | 1 3/8 | 5.19             | 3.49   | 860               | 193,336 | 952   | 214,018 | 1,035 | 232,677 |
|                              | 36        |       | 5.49             | 3.69   | 910               | 204,576 | 1,007 | 226,383 | 1,095 | 246,166 |
|                              | 38        | 1 1/2 | 6.11             | 4.11   | 1,014             | 227,956 | 1,123 | 252,460 | 1,220 | 274,267 |
|                              | 40        |       | 6.77             | 4.55   | 1,123             | 252,460 | 1,244 | 279,662 | 1,352 | 303,942 |
|                              | 41.28     | 1 5/8 | 7.22             | 4.85   | 1,196             | 268,871 | 1,325 | 297,872 | 1,440 | 323,725 |
|                              | 42        |       | 7.47             | 5.02   | 1,238             | 278,313 | 1,371 | 308,213 | 1,490 | 334,965 |
|                              | 44        |       | 8.20             | 5.51   | 1,359             | 305,515 | 1,505 | 338,337 | 1,636 | 367,787 |
|                              | 44.45     | 1 3/4 | 8.37             | 5.62   | 1,387             | 311,810 | 1,536 | 345,307 | 1,669 | 375,206 |
|                              | 46        |       | 8.96             | 6.02   | 1,485             | 333,841 | 1,645 | 369,811 | 1,788 | 401,958 |
|                              | 47.63     | 1 7/8 | 9.61             | 6.46   | 1,593             | 358,121 | 1,764 | 396,563 | 1,917 | 430,959 |
|                              | 48        |       | 9.76             | 6.56   | 1,617             | 363,516 | 1,791 | 402,633 | 1,947 | 437,703 |
|                              | 50        |       | 10.59            | 7.12   | 1,755             | 394,540 | 1,943 | 436,804 | 2,112 | 474,796 |
|                              | 50.8      | 2     | 10.93            | 7.34   | 1,812             | 407,354 | 2,006 | 450,967 | 2,180 | 490,083 |
|                              | 52        |       | 11.45            | 7.69   | 1,898             | 426,687 | 2,102 | 472,548 | 2,284 | 513,464 |
|                              | 54        | 2 1/8 | 12.35            | 8.30   | 2,047             | 460,184 | 2,267 | 509,642 |       |         |
|                              | 56        |       | 13.28            | 8.92   | 2,202             | 495,029 | 2,438 | 548,084 |       |         |
|                              | 57.15     | 2 1/4 | 13.83            | 9.29   | 2,293             | 515,487 | 2,539 | 570,790 |       |         |
|                              | 58        |       | 14.24            | 9.57   | 2,362             | 530,999 | 2,615 | 587,875 |       |         |
|                              | 60        |       | 15.24            | 10.24  | 2,527             | 568,092 | 2,799 | 629,240 |       |         |
|                              | 60.33     | 2 3/8 | 15.41            | 10.36  | 2,555             | 574,387 | 2,829 | 635,985 |       |         |
|                              | 62        |       | 16.28            | 10.94  | 2,699             | 606,759 | 2,988 | 671,729 |       |         |
|                              | 63.5      | 2 1/2 | 17.07            | 11.47  | 2,831             | 636,434 | 3,135 | 704,776 |       |         |
|                              | 64        |       | 17.34            | 11.65  | 2,876             | 646,551 | 3,184 | 715,792 |       |         |
|                              | 66        |       | 18.44            | 12.39  | 3,058             | 687,466 | 3,386 | 761,203 |       |         |

Standard tolerance: +2 % to +4 %, other tolerance ranges and rope diameters are available upon request.

The values are provided for guidance only. The metric figures shall prevail. The rope cross-section depicts a typical design and may vary within the product line. Subject to further developments which may lead to changes in technical specifications. Subject to changes and errors.