



# STEEL WIRE ROPE

LIFTING YOUR BUSINESS TO A HIGHER LEVEL

AUSTRALIAN LIFTING CENTRE PTY LTD

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## STEEL WIRE ROPE

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# Stainless Steel Wire Rope

Austlift stainless steel wire ropes are essential for flexible wire rope solutions in corrosive environments for the marine, building industries and architectural.

- Sizes from 1.2mm to 16mm and other sizes available upon request.
- Standard Stainless Steel grades of AISI 304 and AISI 316 available.
- Construction's of 1x19, 7x7 and 7x19 in stock.
- Conforms to AS3569, Test certificate available with each reel batch.
- Commonly reel lengths are 305 metres.
- 1000 metre reel lengths are available upon request.



## Chemical analysis of alloying elements as a percentage

|            |           |
|------------|-----------|
| Carbon     | 0.08% Max |
| Nickel     | 8-10.5%   |
| Chromium   | 18-20%    |
| Manganese  | 2% Max    |
| Silicon    | 1% Max    |
| Phosphorus | 0.045 Max |
| Sulphur    | 0.03% Max |

## MINIMUM BREAKING STRENGTH

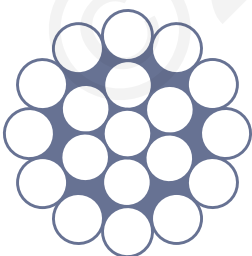
| DIAMETER |       | 1X19     |          | 7X7      |          | 7X19     |          |
|----------|-------|----------|----------|----------|----------|----------|----------|
| (mm)     | (in)  | G304     | G316     | G304     | G316     | G304     | G316     |
| 1.2      | 3/64  | 170 kg   | 110 kg   | 122 kg   | 87 kg    | 122 kg   | 87 kg    |
| 1.6      | 1/16  | 227 kg   | 215 kg   | 217 kg   | 201 kg   | 217 kg   | 201 kg   |
| 2.0      | 5/64  | 363 kg   | 320 kg   | 294 kg   | 277 kg   | 294 kg   | 277 kg   |
| 2.4      | 3/32  | 544 kg   | 510 kg   | 417 kg   | 389 kg   | 417 kg   | 389 kg   |
| 3.0      | 1/8   | 835 kg   | 776 kg   | 674 kg   | 625 kg   | 700 kg   | 648 kg   |
| 3.2      | 1/8   | 953 kg   | 885 kg   | 771 kg   | 713 kg   | 798 kg   | 739 kg   |
| 4.0      | 5/32  | 1497 kg  | 1395 kg  | 952 kg   | 874 kg   | 952 kg   | 878 kg   |
| 4.8      | 3/16  | 2132 kg  | 1971 kg  | 1678 kg  | 1559 kg  | 1678 kg  | 1559 kg  |
| 5.5      | 7/32  | 2858 kg  | 2683 kg  | 2177 kg  | 2016 kg  | 2268 kg  | 2097 kg  |
| 6.4      | 1 / 4 | 3720 kg  | 3493 kg  | 2767 kg  | 2609 kg  | 3176 kg  | 2953 kg  |
| 7.2      | 9/32  | 4673 kg  | 4388 kg  | 3448 kg  | 3237 kg  | 3539 kg  | 3323 kg  |
| 7.9      | 5/16  | 5671 kg  | 5325 kg  | 4083 kg  | 3780 kg  | 4083 kg  | 3780 kg  |
| 9.4      | 3/8   | 7940 kg  | 8546 kg  | 5444 kg  | 5057 kg  | 5444 kg  | 5057 kg  |
| 11.1     | 7/16  | 9382 kg  | 8769 kg  | 8467 kg  | 7925 kg  | 8480 kg  | 7962 kg  |
| 12.7     | 1 / 2 | 11128 kg | 10400 kg | 10967 kg | 10250 kg | 10255 kg | 9585 kg  |
| 14.3     | 9/16  | 15165 kg | 14173 kg | 11892 kg | 11114 kg | 11892 kg | 11114 kg |
| 16.0     | 5/8   | 19857 kg | 18558 kg | 15536 kg | 14520 kg | 15537 kg | 14520 kg |

Steel Wire Rope

AS/NZS  
3569

Certified

Length  
305-  
3000M



- Sizes from 1.2mm to 4.8mm other sizes available upon request.
- Standard stainless steel grades of AISI 304 and AISI 316 available.
- Conforms to AS3569.
- Test certificate available with each reel batch.
- Commonly reel lengths are 305 metres.
- 1000 metre reel lengths are available upon request.

## G304 G316 1x19 Construction

Austlift stainless steel 1x19 wire ropes have a non-flexible characteristic suitable for all stationary rigging, mast stays and applications where the strand rope will not incur bending.

| SIZE |      | CODE     |        | LENGTH<br>(M) | Wt.<br>(kg) |
|------|------|----------|--------|---------------|-------------|
| mm   | in   | G304     | G316   |               |             |
| 1.2  | 3/64 | 800123L* | -      | 3000          | 21.9        |
| 1.6  | 1/16 | 800163*  | -      | 305           | 3.81        |
| 2.0  | 5/64 | -        | 802203 | 305           | 6.31        |
| 3.2  | 1/8  | -        | 802323 | 305           | 16.16       |
| 4.0  | 5/32 | 800403*  | 802403 | 305           | 23.91       |
| 4.8  | 3/16 | 800483*  | 802483 | 305           | 34.86       |

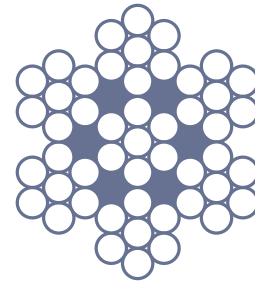
\* Discontinued products

## STAINLESS STEEL WIRE ROPE

### G304 G316 7x7 Construction

| SIZE |      | CODE    |        | LENGTH<br>(M) | Wt.<br>(kg) |
|------|------|---------|--------|---------------|-------------|
| mm   | in   | G304    | G316   |               |             |
| 1.2  | 3/64 | 803123  | 804123 | 305           | 2.07        |
| 1.6  | 1/16 | 803163  | 804163 | 305           | 3.14        |
|      |      | 803163L | -      | 1000          | 11.3        |
| 2.0  | 5/64 | 803203  | 804203 | 305           | 5           |
| 2.4  | 3/32 | 803243  | 804243 | 305           | 7.11        |
| 2.5  | 3/32 | 803253  | 804253 | 305           | 7.75        |
| 3.0  | 1/8  | 803303  | 804303 | 305           | 11          |
| 3.2  | 1/8  | 803323  | 804323 | 305           | 12.7        |
| 4.0  | 5/32 | 803403  | 804403 | 305           | 19.75       |
|      |      | -       | 804400 | 1000          | 65          |
| 4.8  | 3/16 | 803483  | -      | 305           | 28.8        |
| 5.0  | -    | -       | 804503 | 305           | 30.8        |
| 6.0  | 1/4  | -       | 804603 | 305           | 44.2        |
| 8.0  | 5/16 | 803803  | 804803 | 305           | 79          |

Austlift Metal Fill Factor: 60.28%



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Certified

Length  
305-  
1000M

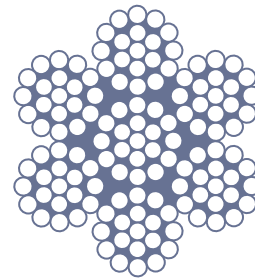
Austlift stainless steel 7x7 wire ropes have a semi-flexible characteristic suitable for use as guard rails, hand rails, luff wires and struts.

- Sizes from 1.2- 8.0mm other sizes available upon request.
- Standard stainless steel grades of AISI 304 and AISI 316 available.
- Conforms to AS3569.
- Test certificate available with each reel batch.
- Commonly reel lengths are 305 and 1000 metres.
- 1000 metre reel lengths are available upon request.

### G304 G316 7x19 Construction

| SIZE |       | CODE   |        | LENGTH<br>(M) | Wt.<br>(kg) |
|------|-------|--------|--------|---------------|-------------|
| mm   | in    | G304   | G316   |               |             |
| 2.4  | 3/32  | 801503 | 807243 | 305           | 7.26        |
| 3.0  | 1/8   | 801504 | 807303 | 305           | 11          |
|      |       | -      | 807300 | 1000          | 35          |
| 3.2  | 1/8   | 801505 | 807323 | 305           | 9.8         |
| 4.0  | 5/32  | 801506 | 807403 | 305           | 20          |
|      |       | -      | 807400 | 1000          | 62          |
| 4.8  | 3/16  | 801507 | 807483 | 305           | 29          |
| 5.0  | 3/16  | 801508 | 807503 | 305           | 30          |
| 6.0  | 1/4   | 801510 | 807603 | 305           | 45          |
| 8.0  | 5/16  | 801512 | 807803 | 305           | 76.35       |
| 9.3  | 11/32 | -      | 807933 | 305           | 103.4       |
| 10.0 | 3/8   | 801515 | 807950 | 305           | 120         |
| 12.0 | 1/2   | 801516 | 807955 | 305           | 171.7       |
| 14.0 | 9/16  | 801518 | 807965 | 305           | 234         |

Austlift Metal Fill Factor: 58.57%



AS/NZS  
3569

Certified

Length  
305-  
1000M

Austlift stainless steel 7x19 wire ropes have a flexible characteristic suitable for running rigging, fishing nets, slings and any other where flexible rope is required for the application.

- Sizes from 3.0mm to 10mm other sizes available upon request.
- Standard stainless steel G304 and G316 available.
- Conforms to AS3569.
- Test certificate available with each reel batch.
- Commonly reel lengths are 305 and 1000 metres.
- 1000 metre reel lengths are available upon request.
- PVC coated available upon request.

## PVC COATED WIRE ROPE

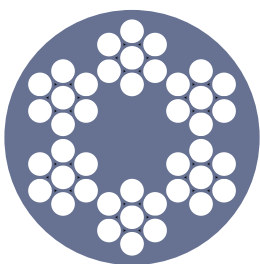
Austlift PVC coated galvanised wire ropes have a flexible characteristic with polyvinyl chloride UV proof coating suitable for general purpose, architectural, marine, stage/theatre or wherever PVC rope is required for the application.



- Sizes available from 2mm wire - 3mm PVC to 10mm wire - 12mm PVC.
- Normally supplied in blue. Other colours stocked are clear (C), Black (B), Red (R), and Yellow (Y) on various sizes or available on request.
- Construction of 6x7FC and 6x19FC with standard grade of G1570 available.
- Test certificate available with each reel batch.
- Reel lengths available from 200 to 1000 metres.
- 500 metre length available upon request.

### G1570 PVC Coated 6x7 + FC, Gal

| SIZE (mm) |     | CODE                   | MBS (kN) | LENGTH (M) | Wt. (kg) |
|-----------|-----|------------------------|----------|------------|----------|
| CORE      | PVC |                        | G1570    |            |          |
| 2         | 3   | 810020 (R)             | 2.1      | 1000       | 20.4     |
| 3         | 4   | 810030 (C) (R)         | 4.7      | 1000       | 40.7     |
|           |     | 810030C2 Clear         | 4.7      | 250        | 10.175   |
|           |     | 810032                 | 4.7      | 250        | 10.175   |
| 3.5       | 5   | 810035 (B) (G) (R) (Y) | 6.2      | 1000       | 59.5     |
| 4         | 6   | 810040 (B) (R)         | 8.4      | 1000       | 81.6     |



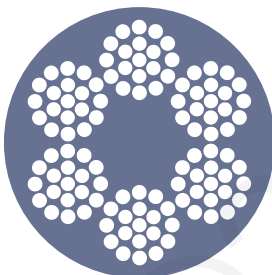
AS/NZS  
3569

Certified

Length  
250-  
1000M

### G1570 PVC Coated 6x19 + FC, Gal

| SIZE (mm) |     | CODE               | MBS (kN) | LENGTH (M) | Wt. (kg) |
|-----------|-----|--------------------|----------|------------|----------|
| WIRE      | PVC |                    | G1570    |            |          |
| 3         | 5   | 811035 (R)         | 6.4      | 1000       | 58.2     |
| 4         | 6   | 811040 (R) (Y)     | 8.5      | 1000       | 80       |
| 5         | 7   | 811050 (C) (R) (Y) | 13.2     | 1000       | 116      |
| 6         | 8   | 811060 (B) (C) (Y) | 19.3     | 1000       | 160      |
|           |     | 811062             | 19.3     | 200        | 32       |
| 8         | 10  | 811080             | 33.3     | 1000       | 269.6    |
|           |     | 811085             | 33.3     | 500        | 134.8    |
| 8         | 12  | 811085S*           | 33.3     | 500        | 140.8    |
| 10        | 12  | 811110             | 48.2     | 1000       | 404      |
|           |     | 811105             | 48.2     | 500        | 202      |



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3569

Certified

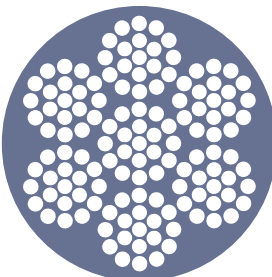
Length  
200-  
1000M

\* Discontinued products

Austlift PVC coated stainless steel wire ropes are designed with polyvinyl chloride UV proof coating suitable for general purpose, architectural, marine, stage/theatre or wherever PVC rope is required for the application.

### G316 PVC Coated 7x19, Stainless steel

| SIZE (mm) |     | CODE    | MBS (kN) | LENGTH (M) | Wt. (kg) |
|-----------|-----|---------|----------|------------|----------|
| WIRE      | PVC |         | G316     |            |          |
| 2         | 3   | 813023C | 2.67     | 305        | 7.5      |
| 3         | 4   | 813033C | 6        | 305        | 13.3     |
| 4         | 6   | 813043C | 9.5      | 305        | 26.8     |



AS/NZS  
3569

Certified

Length  
200-  
1000M



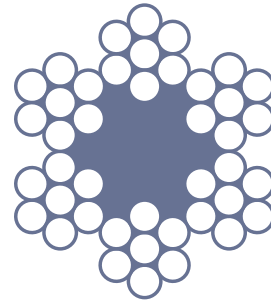
## FIBRE CORE GALVANISED WIRE ROPE

### G1570 6X7 + FC

- Sizes available from 1.6-8mm with standard grade of G1570.
- Supplied reel lengths available are 500 and 1000 metres.
- Conforms to AS3569, test certificate available with each reel batch.

| SIZE<br>(mm) | CODE    | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|---------|----------|---------------|-------------|
|              | GAL     | G1570    |               |             |
| 1.6          | 867016  | 1.3      | 1000          | 9           |
| 2            | 867020  | 2.1      | 1000          | 14.7        |
| 2.5          | 867025  | 3.9      | 1000          | 22.5        |
| 3            | 867030  | 4.7      | 1000          | 32          |
| 3.5          | 867035* | 6.4      | 1000          | 43          |
| 4            | 867040  | 8.4      | 1000          | 57          |
| 5            | 867050  | 13.0     | 1000          | 89          |
| 6            | 867060  | 18.7     | 1000          | 129         |
|              | 867065  | 18.7     | 500           | 64.5        |
| 8            | 867080  | 25.5     | 1000          | 229         |

Austlift Metal Fill Factor: 46.49% \* Discontinued products



AS/NZS  
3569

Certified

Length  
500-  
1000M

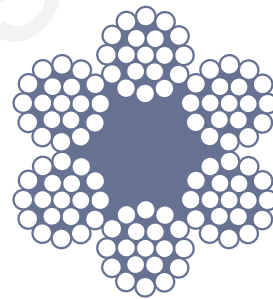
Austlift 6x7 fibre core galvanised wire ropes have a flexible characteristic and suitable for, guying barrier wire, catenary, traveling irrigation cable, marine and general purpose uses wherever rope is required for the application.

### G1570 6X19 + FC

- Sizes available from 3 to 9mm with standard grade of G1570.
- Supplied reel lengths available are 500 and 1000 metres.
- Conforms to AS3569, test certificate available with each reel batch.

| SIZE<br>(mm) | CODE    | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|---------|----------|---------------|-------------|
|              | GAL     | G1570    |               |             |
| 3.0          | 869030  | 4.26     | 1000          | 31          |
| 3.5          | 869035* | 5.8      | 1000          | 42          |
| 4            | 869040  | 7.7      | 1000          | 55          |
| 5            | 869050  | 12.0     | 1000          | 86.5        |
| 6            | 869060  | 17.6     | 1000          | 124         |
|              | 869062  | 17.6     | 250           | 31          |
| 8            | 869080  | 30.9     | 1000          | 221         |
| 9            | 869090  | 39.1     | 1000          | 280         |
|              | 869095  | 39.1     | 500           | 140         |

Austlift Metal Fill Factor: 47.38% \* Discontinued products



AS/NZS  
3569

Certified

Length  
500-  
1000M

Austlift 6x19 fibre core galvanised wire ropes have a flexible characteristic and suitable for, engineering, winch, pulling, marine, slings and general purpose uses wherever rope is required for the application.

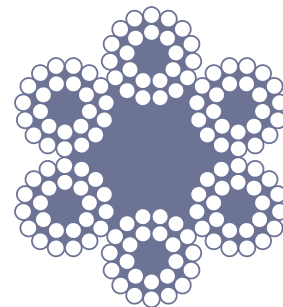
### G1570 6X24 + FC

Austlift 6x24 fibre core galvanised wire ropes have very flexible characteristic and suitable for, slings, static lines, hoists, winches or general purpose uses wherever rope is required for the application.

- Sizes available from 6- 24mm with standard grade of G1570.
- Supplied reel lengths available are 500 and 1000 metres.
- Conforms to AS3569, test certificate available with each reel batch.

| SIZE<br>(mm) | CODE    | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|---------|----------|---------------|-------------|
|              | GAL     | G1570    |               |             |
| 12           | 864125  | 63.3     | 500           | 229         |
| 13           | 864135* | 75.9     | 500           | 269         |
| 14           | 864145  | 86.2     | 500           | 312         |
| 16           | 864165  | 113      | 500           | 412.5       |
| 18           | 864185  | 143      | 500           | 515         |
| 20           | 864205  | 176      | 500           | 635         |
| 22           | 864225  | 213      | 500           | 770         |
| 24           | 864245  | 253      | 500           | 875         |

Austlift Metal Fill Factor: 41.6%



AS/NZS  
3569

Certified

Length  
500-  
1000M

| SIZE<br>(mm) | CODE    | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|---------|----------|---------------|-------------|
|              | GAL     | G1570    |               |             |
| 6            | 864060* | 15.8     | 1000          | 114         |
| 8            | 864080  | 28.2     | 1000          | 204         |
| 10           | 864100  | 44.9     | 1000          | 318         |
| 12           | 864120  | 63.3     | 1000          | 458         |
| 13           | 864130* | 75.9     | 1000          | 538         |
| 14           | 864140  | 86.2     | 1000          | 624         |

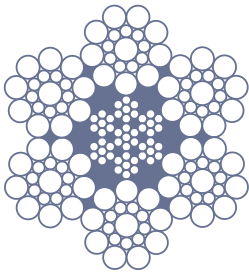
\* Discontinued products

## STEEL CORE GALVANISED WIRE ROPE

AS/NZS  
3569

Certified

Length  
500-  
1000M



- Sizes available from 13-28mm with standard grade of 1770.
- Black and Galvanised finish in stock.
- Supplied reel lengths available are 500 and 1000 metres.
- Conforms to AS3569, test certificate available with each reel batch.

### B1770 6X19S (9/9/1) + IWRC

Austlift 6x19S steel core supplied wire ropes have a flexible characteristic and suitable for, logging wire, aerial, winch cable, or pulling use wherever flexible rope is required for the application.

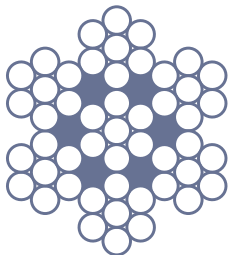
| SIZE<br>(mm) | CODE   | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|--------|----------|---------------|-------------|
|              | BLACK  | B1770    |               |             |
| 13           | 822130 | 106      | 1000          | 706         |
| 16           | 822165 | 161      | 500           | 551         |
| 18           | 822185 | 204      | 500           | 674         |
| 20           | 822205 | 252      | 500           | 808         |
| 22           | 822220 | 305      | 1000          | 1990        |
| 22           | 822225 | 305      | 500           | 1003        |
| 26           | 822265 | 426      | 500           | 1396        |
| 28           | 822285 | 494      | 500           | 1565        |

Austlift Metal Fill Factor: 59.02%

AS/NZS  
3569

Certified

Length  
500-  
3000M



Irrigation Cable

- Sizes available from 1.2mm to 20mm with standard grade of G1570, G1770 and G2070.
- Supplied reel lengths available from 500 to 3000 metres.
- Conforms to AS3569, test certificate available with each reel batch.

### G1570 G1770 G2070 7X7 WSC

Austlift 7x7 steel core galvanised wire ropes have a semi-flexible characteristic and suitable for irrigation wires, guy wires catenary or general purpose uses wherever stiff rope is required for the application.

| SIZE<br>(mm) | CODE     | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|----------|----------|---------------|-------------|
|              | GAL      | G1570    |               |             |
| 1.6          | 877016   | 1.73     | 1000          | 10.9        |
|              | 877020   | 2.3      | 1000          | 16          |
| 2            | 877020S  | 2.3      | 500           | 8           |
|              | 877020XS | 2.3      | 250           | 4           |
| 2.5          | 877025   | 3.14     | 1000          | 25          |
| 3            | 877030   | 5.2      | 1000          | 36          |
|              | 877030S  | 5.2      | 500           | 18          |
| 4            | 877040   | 9.2      | 1000          | 63          |
| 6            | 877065   | 22       | 500           | 71.5        |
|              | 877060   | 22       | 1000          | 143         |
| 8            | 877080   | 39       | 1000          | 252         |
| 10           | 877100   | 61       | 1000          | 393         |
| 12           | 877120   | 88       | 1000          | 567         |
| 16           | 877160   | 144      | 1000          | 994         |
|              | 877165   | 144      | 500           | 497         |
| 20           | 877205   | 225      | 500           | 785         |

| SIZE<br>(mm) | CODE    | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|---------|----------|---------------|-------------|
|              | GAL     | G1770    |               |             |
| 6            | 878060N | 23.22    | 1000          | 143         |
|              | 878062N | 23.22    | 2000          | 284         |
| 7            | 878070N | 37.2     | 1000          | 197         |
|              | 878073N | 37.2     | 3000          | 591         |
| 8            | 878082N | 40.6     | 2000          | 504         |
|              | 878083N | 40.6     | 3000          | 756         |
| 9            | 878092N | 51.52    | 2000          | 637         |
|              | 878093N | 51.52    | 3000          | 955.5       |

Austlift Metal Fill Factor: 60.28%

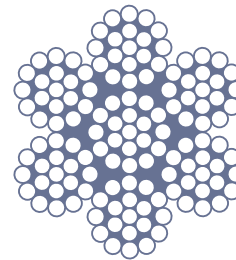
| SIZE<br>(mm) | CODE<br>GAL | MBS (kN)<br>G2070 | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|-------------|-------------------|---------------|-------------|
| 1.2          | 878012      | 1.09              | 1000          | 6.2         |
| 3            | 878030      | 6.85              | 1000          | 35          |
| 4            | 878040      | 12.9              | 1000          | 63          |
|              | 878043      | 12.9              | 3000          | 189         |
| 5            | 878050      | 18.8              | 1000          | 99          |
|              | 878053      | 18.8              | 3000          | 294         |
| 6            | 878060      | 27                | 1000          | 143         |
|              | 878062      | 27                | 2000          | 286         |
|              | 878063      | 27                | 3000          | 429         |
| 7            | 878070      | 37                | 1000          | 197         |
|              | 878072      | 37                | 2000          | 394         |
|              | 878073      | 37                | 3000          | 591         |
| 8            | 878080      | 47.4              | 1000          | 252         |
|              | 878082      | 47.4              | 2000          | 504         |
|              | 878083      | 47.4              | 3000          | 756         |
| 9            | 878090      | 60                | 1000          | 320         |
|              | 878092      | 60                | 2000          | 640         |
| 10           | 878093      | 60                | 3000          | 960         |
|              | 878100      | 74                | 1000          | 392         |
| 12           | 878125      | 106               | 500           | 283         |
|              | 878120      | 106               | 1000          | 576         |
| 16           | 878160      | 205               | 1000          | 1010        |

## G1770 G2070 7X19 WSC

Austlift 7x19 steel core galvanised wire ropes have a flexible characteristic and suitable for, winch cable, running rigging, control cable, guying or general purpose rope wherever flexible rope is required for the application.

| SIZE (mm) | CODE GAL       | MBS (kN) G2070 | LENGTH (M) | Wt. (kg) |
|-----------|----------------|----------------|------------|----------|
| 3.0       | 879030         | 7.8            | 1000       | 36.8     |
| 3.2       | 879032         | 8.4            | 1000       | 42       |
| 3.5       | 879035         | 8.9            | 1000       | 46       |
| 4         | 879040         | 11.2           | 1000       | 61       |
|           | 879040L (LHOL) | 11.2           | 1000       | 61       |
| 5         | 879050         | 17.4           | 1000       | 95       |
| 6         | 879060         | 25.4           | 1000       | 137      |
| 7         | 879070         | 34.01          | 1000       | 195.2    |
| 8         | 879080         | 43.9           | 1000       | 244      |
| 10        | 879100         | 68.6           | 1000       | 381      |
| 12        | 879120         | 98.9           | 1000       | 572      |
|           | 879125         | 98.9           | 500        | 274      |

Austlift Metal Fill Factor: 58.57%



Aircraft Cable

- Sizes available from 3 to 12mm with standard grade of G2070.
- Supplied reel lengths available are 500 and 1000 metres.
- Conforms to AS3569, test certificate available with each reel batch.

| SIZE (mm) | CODE GAL | MBS (kN) G1770 | LENGTH (M) | Wt. (kg) |
|-----------|----------|----------------|------------|----------|
| 5.5       | 879055   | 17.4           | 1000       | 115      |
| 7         | 879070N  | 29.08          | 1000       | 187      |
| 8         | 879080N  | 37.5           | 1000       | 244      |
| 10        | 879100N  | 58.74          | 1000       | 381      |

AS/NZS  
3569

Certified

Length  
500-  
1000M

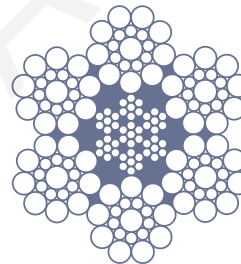
## G2070 6X19S & 6X25FI

### Steel Core Wire Rope, Galvanised Winch Rope

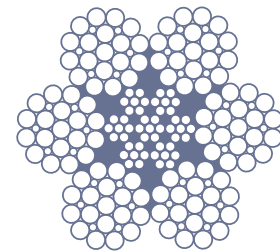
Austlift 6x19s & 6x25fi steel core wire rope have a high strength characteristic and suitable for wire rope hoist or winching purposes wherever high capacity rope is required for the application.

- Sizes available are 8mm, 11mm and 16mm
- Galvanised finish, standard grade of 2070 available.
- Supplied reel lengths available are 500 and 1000 metres.
- Conforms to AS3569, test certificate available with each reel batch.

| DIA. (mm) | CODE GAL | TYPE    | MBS (kN) G2070 | LENGTH (M) | Wt. (kg) |
|-----------|----------|---------|----------------|------------|----------|
| 12        | 821125   | 6 X 19S | 106            | 500        | 285      |
|           | 821120   | 6 X 19S | 106            | 1000       | 570      |
| 13        | 821130   | 6 X 19S | 124            | 1000       | 707      |
| 14        | 821140   | 6 X 19S | 144            | 1000       | 740      |
| 16        | 821160   | 6 X 19S | 188            | 1000       | 1011     |
| 22        | 821225   | 6 X 19S | 356            | 500        | 995      |



6x19S + IWRC RHOL



6x25FI + IWRC RHOL

| DIA. (mm) | CODE GAL | TYPE     | MBS (kN) G2070 | LENGTH (M) | Wt. (kg) |
|-----------|----------|----------|----------------|------------|----------|
| 9         | 825090   | 6 X 25FW | 47             | 1000       | 327      |
| 10        | 825100   | 6 X 25FW | 74             | 1000       | 402      |
| 12        | 825120   | 6 X 25FW | 106            | 1000       | 301      |
| 13        | 825135   | 6 X 25FW | 124            | 500        | 340      |
|           | 825130   | 6 X 25FW | 124            | 1000       | 680      |
| 18        | 825185   | 6 X 25FW | 238            | 1000       | 655      |
| 22        | 825225   | 6 X 25FW | 356            | 500        | 1102     |
| 26        | 825265   | 6 X 25FW | 498            | 500        | 1415     |

| DIA. (mm) | CODE GAL | TYPE     | MBS (kN) G2070 | LENGTH (M) | Wt. (kg) | SUITABLE FOR AUSTRIFT WIRE ROPE WINCH |                       |                   |
|-----------|----------|----------|----------------|------------|----------|---------------------------------------|-----------------------|-------------------|
|           |          |          |                |            |          | WLL (kg)                              | CODE (ALUMINIUM CASE) | CODE (STEEL CASE) |
| 8.3       | 821085   | 6 X 19S  | 47             | 500        | 122      | 800                                   | 135008                | 135108            |
|           | 821080   | 6 X 19S  | 47             | 1000       | 268      |                                       |                       |                   |
| 11        | 825115   | 6 X 25FW | 89.2           | 500        | 253      | 1600                                  | 135016                | 135116            |
| 11.4      | 825110   | 6 X 25FW | 96             | 1000       | 506      |                                       |                       |                   |
| 16.4      | 825165   | 6 X 25FW | 198            | 500        | 535      | 3200                                  | 135032                | 135132            |

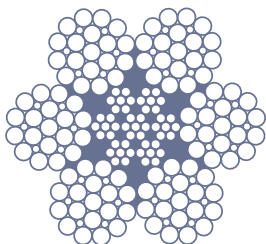


## STEEL CORE GALVANISED WIRE ROPE

AS/NZS  
3569

Certified

Length  
500-  
1000M



- Sizes available from 8 to 32mm with standard grade of 1770.
- Supplied reel lengths available are 500 and 1000 metres.
- Conforms to AS3569, test certificate available with each reel batch.
- Black/galvanised finish available.

| DIA.<br>(mm) | CODE   |        | MBS (kN) |      | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|--------|--------|----------|------|---------------|-------------|
|              | GAL    | BLACK  | 1770     | 1960 |               |             |
| 9            | 826090 | 827090 | 51       | 56.5 | 1000          | 348         |
| 10           | 826100 | 827100 | 63.1     | 69.8 | 1000          | 430         |
| 11           | 826110 | -      | 76.3     | 84.4 | 1000          | 485         |
| 12           | -      | 827120 | 90.8     | 100  | 1000          | 602         |

Future stock will be upgraded to G1960.

### B1770 G1770 6X25FI + IWRC

6x25 steel core wire ropes have a flexible characteristic suitable for engineering, slings, derrick cranes or general purpose uses wherever flexible rope is required.

| DIA.<br>(mm) | CODE   |        | MBS (kN) |       | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|--------|--------|----------|-------|---------------|-------------|
|              | GAL    | BLACK  | 1770     | 1960  |               |             |
| 8            | -      | 827085 | 40.3     | 44.33 | 500           | 134         |
| 11           | -      | 827115 | 76.3     | 84.4  | 500           | 253         |
| 12           | 826125 | 827125 | 90.8     | 100   | 500           | 301         |
| 13           | 826135 | 827135 | 106      | 118   | 500           | 354         |
| 14           | 826145 | -      | 124      | 137   | 500           | 410         |
| 16           | 826165 | 827165 | 161      | 179   | 500           | 550         |
| 20           | 826205 | 827205 | 252      | 279   | 500           | 835         |
| 22           | 826225 | 827225 | 305      | 338   | 500           | 1010        |
| 26           | 826265 | 827265 | 426      | 472   | 500           | 1415        |

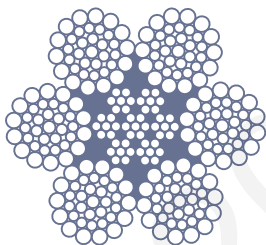
Austlift Metal Fill Factor: 61.31%

Steel Wire Rope

AS/NZS  
3569

Certified

Length  
500-  
1000M



- Sizes available from 9 to 32mm with standard G1770.
- Black/galvanised finish available.
- Supplied reel lengths available are 500M and 1000M.
- Conforms to AS3569, test certificate available with each reel batch.

| DIA.<br>(mm) | CODE   |        | MBS (kN) |      | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|--------|--------|----------|------|---------------|-------------|
|              | GAL    | BLACK  | 1770     | 1960 |               |             |
| 9            | 836090 | 837090 | 51       | 56.5 | 1000          | 336.5       |
| 10           | 836100 | 837100 | 63.1     | 69.8 | 1000          | 409         |
| 11           | 836110 | 837110 | 76.3     | 84.4 | 1000          | 506         |
| 12           | 836120 | 837120 | 90.8     | 100  | 1000          | 602         |

Future stock will be upgraded to G1960.

### B1770 G1770 6X36SW + IWRC

6x36 steel core wire ropes have a flexible characteristic suitable for engineering, slings, derrick cranes or general purpose uses wherever flexible rope is required.

| DIA.<br>(mm) | CODE   |        | MBS (kN) |      | LENGTH<br>(M) | Wt.<br>(kg) |
|--------------|--------|--------|----------|------|---------------|-------------|
|              | GAL    | BLACK  | 1770     | 1960 |               |             |
| 12           | 836125 | 837125 | 90.8     | 100  | 500           | 301         |
| 13           | 836135 | 837135 | 106      | 118  | 500           | 353.5       |
| 14           | 836145 | 837145 | 124      | 137  | 500           | 421.5       |
| 16           | 836165 | 837165 | 161      | 179  | 500           | 550         |
| 18           | 836185 | 837185 | 204      | 226  | 500           | 690         |
| 20           | 836205 | 837205 | 252      | 279  | 500           | 835         |
| 22           | 836225 | 837225 | 305      | 338  | 500           | 1010        |
| 24           | 836245 | 837245 | 363      | 402  | 500           | 1200        |
| 26           | 836265 | 837265 | 426      | 472  | 500           | 1411        |
| 32           | 836325 | 837325 | 645      | 715  | 500           | 2137.5      |

Austlift Metal Fill Factor: 61.26%

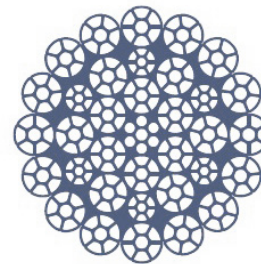
## CRANE ROPE

### B2160 35WxK7 Compacted Crane rope

Austlift 35WxK7 compacted crane rope is generally used as the main host rope on tower cranes, mobile cranes, dockside cranes and lattice boom cranes

| DIA<br>(mm) | CODE   | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|-------------|--------|----------|---------------|-------------|
|             | BLACK  | B1960    |               |             |
| 13          | 890135 | 149.2    | 500           | 425         |
| 14          | 890145 | 172.9    | 500           | 492.5       |
| 16          | 890165 | 225.2    | 500           | 645         |
| 18          | 890185 | 285      | 500           | 815         |
| 20          | 890205 | 352.5    | 500           | 1020        |
| 22          | 890225 | 425.6    | 500           | 1235        |
| 24          | 890245 | 507.3    | 500           | 1377        |

\* Please confirm MBS on Test Certificate.



AS/NZS  
3569

Certified

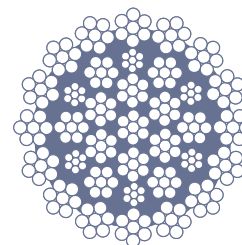
Length  
500M

- Available in sizes from 13mm to 24mm.
- 35 strands at 7 wires compacted.
- High elastic rotation resistance.
- Supplied reel length available is 500M.
- Conforms to AS 2841, test certificate available with each reel.

### B2070 35Wx7 WSC Wire Rope

Austlift 35Wx7 non-rotating wire ropes have a non-spin characteristic suitable for lifting rope on cranes.

| DIA<br>(mm) | CODE   | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|-------------|--------|----------|---------------|-------------|
|             | BLACK  | B2070    |               |             |
| 12          | 888125 | 107.7    | 500           | 331         |
| 13          | 888135 | 126      | 500           | 388.5       |
| 14          | 888145 | 155      | 500           | 436         |
| 16          | 888165 | 191      | 500           | 589         |
| 18          | 888185 | 241      | 500           | 745         |
| 19          | 888195 | 269      | 500           | 830         |
| 20          | 888205 | 297      | 500           | 890         |
| 22          | 888225 | 361      | 500           | 1113        |
| 24          | 888245 | 428      | 500           | 1325        |



Non Rotating

- Sizes available from 12 to 24mm with standard grade of 2070.
- Black finish. Galvanised finish available upon request.
- Supplied reel length available is 500 metres.
- Conforms to AS3569, test certificate available with each reel batch.
- All non-rated crane rope, but compacted one has higher MBS to suit sine certain brand mobile crane.

AS/NZS  
3569

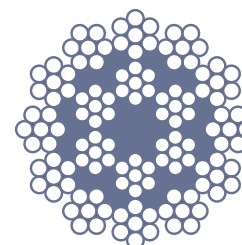
Certified

Length  
500M

Steel Wire Rope

### B2070 G2070 18x7 FC Wire Rope

| DIA<br>(mm) | CODE   |        | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|-------------|--------|--------|----------|---------------|-------------|
|             | GAL    | BLACK  | 2070     |               |             |
| 6           | -      | 887065 | 23.7     | 500           | 69          |
|             | 886060 | 887060 | 23.7     | 1000          | 138         |
| 8           | -      | 887085 | 42.1     | 500           | 122.5       |
| 9           | -      | 887095 | 53.4     | 500           | 155         |
| 10          | -      | 887105 | 66.1     | 500           | 191.5       |
|             | 886100 | -      | 66.1     | 1000          | 383         |
|             | 886102 | -      | 66.1     | 2000          | 770         |
| 11          | 886115 | 887115 | 79.8     | 500           | 231.5       |
| 12          | 886125 | 887125 | 95       | 500           | 275.5       |
| 13          | 886135 | 887135 | 111      | 500           | 328         |
| 14          | -      | 887145 | 130      | 500           | 375         |
|             | 886140 | -      | 130      | 1000          | 750         |
| 16          | -      | 887165 | 168      | 500           | 490         |
| 18          | -      | 887185 | 214      | 500           | 620         |
| 19          | -      | 887195 | 238.5    | 500           | 650         |



Non Rotating

Austlift 18x7 non-rotating wire ropes have a non-spin characteristic suitable for lifting rope on cranes.

- Sizes available from 6 to 19mm with standard grade of 2070.
- Black finish. Galvanised finish available upon request.
- Supplied reel lengths available are 500 and 2000 metres.
- Conforms to AS3569, test certificate available with each reel batch.

AS/NZS  
3569

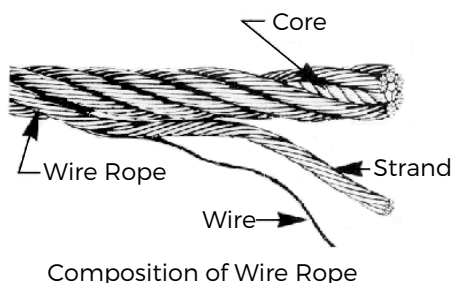
Certified

Length  
500-  
1000M

### B2070 18x7 SC Wire Rope

| DIA<br>(mm) | CODE     | MBS (kN) | LENGTH<br>(M) | Wt.<br>(kg) |
|-------------|----------|----------|---------------|-------------|
|             | BLACK    | B2070    |               |             |
| 8           | 887085SC | 42.1     | 500           | 122.5       |
| 11          | 887115SC | 79.8     | 500           | 240         |

## WIRE ROPE INTRODUCTION



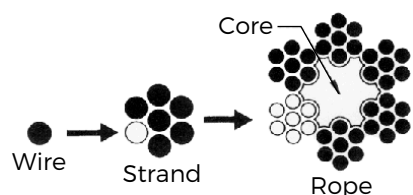
### General Description

Steel wire ropes are made up of a number of strands which are composed of a number of wires laid or wound around a central core in a symmetrical manner, with uniform pitch and direction. The result is a strong, flexible and versatile product, with a variety of applications from boat winch cables to structural suspension bridges and cranes. Steel wire ropes can be supplied in various sizes, constructions, grades and finishes depending upon the application.

### Wire Rope Construction

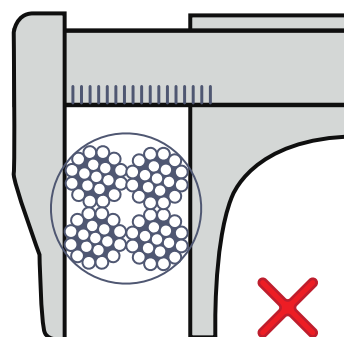
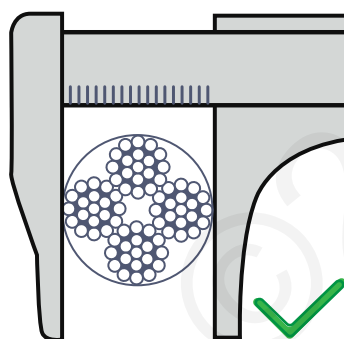
In the above example, each individual wire is arranged around a central wire to form a 7-wire strand. Six of these strands are formed around a central core to make a Wire Rope. The rope is specified as 6x7 (6/1) - i.e. six strands each of seven wires.

The size and number of wires in each strand, as well as the size and number of strands in the rope greatly affect the characteristics of the rope. In general, a large number of small-size wires and strands produce a flexible rope with good resistance to bending fatigue. The rope construction is also important for tensile loading (static, live or stock), abrasive wear, crushing, corrosion and rotation.



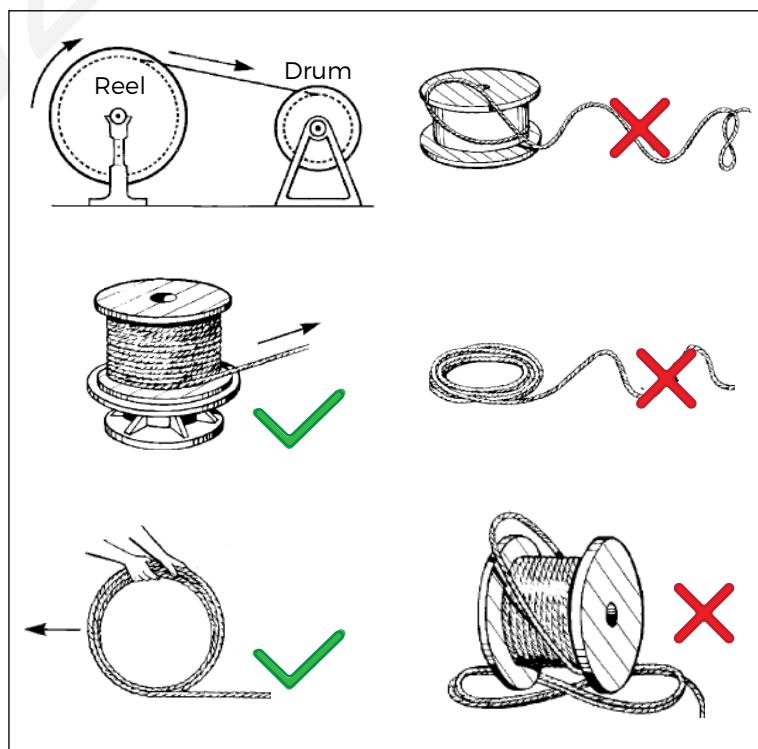
### Measurement

Ropes are referred to by a diameter size. The correct way to measure wire rope:



### Correct Storage and Handling

Store wire away from moisture and not directly on the floor. When wire is to be stored for a long period, reels should be turned over as lubricants can settle – especially in hot climates. Check lubricant when using wire that has been stored. Add new lubricant if necessary.





## WIRE ROPE TERMINOLOGY

|                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Round Strand Rope</b></p> <p>A stranded rope in which the strands are made of wires disposed in such a manner that the cross-section of the strand is approximately circular in shape.</p>                                                                                                                                                               | <p><b>Triangular Strand Rope</b></p> <p>A stranded rope in which the strands are made of wires disposed in such a manner that the cross-section of the strand is approximately triangular in shape.</p>                                           |
| <p><b>Multi-Strand Rope</b> (sometimes called “non-rotating”)</p> <p>A stranded rope in which two or more layers of strand are spun helically around the main core. The layers of strands are so disposed that, when under tension, the rope will have the minimum obtainable torque or rotational tendency.</p>                                               | <p><b>Layer</b></p> <p>A group of strands in a rope or a group of wires in a strand spun concentrically around the core.</p>                                                                                                                      |
| <p><b>Main Core of Rope</b></p> <p>The core of the rope around which the strands are spun. Fibre core — A main core which is itself a fibre rope. I.W.R.C. — A main core which is itself an independent wire rope.</p>                                                                                                                                         | <p><b>Tensile Grade of Wire</b></p> <p>The value of tensile strength used to designate the minimum of the tensile strength range.</p>                                                                                                             |
| <p><b>Galvanised Wire</b></p> <p>Wire which has been zinc coated by one of the permissible processes. The quality of the galvanised coating is defined by its Wt., evenness and adherence. Different classes are designated conventionally by a letter (e.g. Class A or Z).</p>                                                                                | <p><b>Ordinary (Regular) Lay Rope</b></p> <p>Ropes in which the direction of lay of the outer layer of wires in the strands, is opposite to the direction of lay of the strands in the rope.</p>                                                  |
| <p><b>Lang Lay Rope</b></p> <p>Ropes in which the direction of the outer layer of wires in the strands is the same as the direction of lay of the strands in the rope.</p>                                                                                                                                                                                     | <p><b>Lay Length</b></p> <p>That distance in a strand of rope, measured parallel to the longitudinal axis, in which the wire in the strand or the strand in the rope makes one complete turn (or helix) about the axis of the strand or rope.</p> |
| <p><b>Minimum Breaking Load</b></p> <p>The breaking load below which a sample of the rope will not fracture when tested to destruction in the prescribed manner. The value is calculated from the product of the square of the nominal diameter of the rope, the tensile grade of the wire and a co-efficient appropriate to the construction of the rope.</p> | <p><b>Actual Breaking Load</b></p> <p>The maximum load obtained in testing a sample of the rope to destruction in the prescribed manner.</p>                                                                                                      |
| <p><b>Calculated Breaking Load</b></p> <p>The value calculated from the product of the sum of the cross-sectional metallic area of the individual wires in the rope and the tensile grade of the wire. This metallic area can be associated directly with the square of the nominal diameter.</p>                                                              | <p><b>Factor of Safety</b></p> <p>For the purpose of this publication, this is the ratio between the minimum breaking load and the tensile load in the rope.</p>                                                                                  |