

12-STRAND BRAIDED ROPES

AmSteel®-Blue

PRODUCT CODE: 872

FIBER: HMPE

COLOR: Blue, some sizes also available by special order in black, gray, green, orange, red, or yellow

SPECIFIC GRAVITY: 0.98 (floats)

SPLICE/CLASS: 12-Strand Class II



AmSteel®-Blue is a torque-free, 12-strand single braid that yields the maximum in strength-to-weight ratio and, size-for-size, is the same strength as steel—yet it floats. AmSteel®-Blue is an excellent wire rope replacement with extremely low stretch, and superior flex fatigue and wear resistance.

AmSteel®-Blue has been verified by ABS according to MEG4, and is type approved by: ABS, BV, DNV, Lloyd's, and RMRS.

| AT PERCENT OF BREAK STRENGTH | 10% | 20% | 30% |
|-------------------------------|-------|-------|-------|
| Elastic Elongation Percentage | 0.46% | 0.70% | 0.96% |

| DIAMETER inches | CIRC. inches | WEIGHT PER 100 FT. pounds | AVERAGE STRENGTH* pounds | MINIMUM STRENGTH* pounds | DIAMETER mm | CIRC. mm | WEIGHT PER 100 m kilograms | AVERAGE STRENGTH* kilograms | MINIMUM STRENGTH* kilograms | ISO 2307 STRENGTH** metric tons |
|-------------------|--------------|---------------------------|--------------------------|--------------------------|---------------------|----------|----------------------------|-----------------------------|-----------------------------|---------------------------------|
| 7/64 [†] | 5/16" | 0.30 lb | 1,600 lb | 1,400 lb | 2.5 [†] mm | 7.5 mm | 0.45 kg | 730 kg | 650 kg | 0.73 mt |
| 1/8" | 3/8" | 0.50 lb | 2,500 lb | 2,300 lb | 3 mm | 9 mm | 0.74 kg | 1,100 kg | 1,000 kg | 1.1 mt |
| 5/32" | 15/32" | 0.75 lb | 4,000 lb | 3,600 lb | 4 mm | 12 mm | 1.1 kg | 1,800 kg | 1,600 kg | 1.8 mt |
| 3/16" | 9/16" | 1.0 lb | 5,400 lb | 4,900 lb | 5 mm | 15 mm | 1.5 kg | 2,400 kg | 2,200 kg | 2.4 mt |
| 1/4" | 3/4" | 1.6 lb | 8,600 lb | 7,700 lb | 6 mm | 18 mm | 2.4 kg | 3,900 kg | 3,500 kg | 3.9 mt |
| 5/16" | 1" | 2.7 lb | 13,700 lb | 12,300 lb | 8 mm | 24 mm | 4.0 kg | 6,200 kg | 5,600 kg | 6.2 mt |
| 3/8" | 1-1/8" | 3.4 lb | 19,600 lb | 17,600 lb | 9 mm | 27 mm | 5.1 kg | 8,900 kg | 8,000 kg | 8.9 mt |
| 7/16" | 1 1/4" | 4.5 lb | 23,900 lb | 21,500 lb | 11 mm | 33 mm | 6.7 kg | 10,800 kg | 9,800 kg | 10.8 mt |
| 1/2" | 1-1/2" | 5.9 lb | 34,000 lb | 30,600 lb | 12 mm | 36 mm | 8.8 kg | 15,400 kg | 13,900 kg | 15.4 mt |
| 9/16" | 1 3/4" | 7.9 lb | 40,500 lb | 36,500 lb | 14 mm | 42 mm | 11.8 kg | 18,400 kg | 16,500 kg | 18.4 mt |
| 5/8" | 2" | 10.2 lb | 52,800 lb | 47,500 lb | 16 mm | 48 mm | 15.2 kg | 24,000 kg | 21,600 kg | 24.0 mt |
| 3/4" | 2-1/4" | 13.3 lb | 64,400 lb | 58,000 lb | 18 mm | 54 mm | 19.8 kg | 29,200 kg | 26,300 kg | 29.2 mt |
| 13/16" | 2-1/2" | 17.0 lb | 82,000 lb | 73,800 lb | 20 mm | 60 mm | 25.3 kg | 37,200 kg | 33,500 kg | 37.2 mt |
| 7/8" | 2 3/4" | 19.6 lb | 90,800 lb | 81,700 lb | 22 mm | 66 mm | 29.2 kg | 41,200 kg | 37,100 kg | 41.2 mt |
| 1" | 3" | 21.8 lb | 109,000 lb | 98,100 lb | 24 mm | 72 mm | 32.4 kg | 49,400 kg | 44,500 kg | 49.4 mt |
| 1-1/32" | 3-1/8" | 26.0 lb | 125,000 lb | 113,000 lb | 25 mm | 75 mm | 38.7 kg | 56,700 kg | 51,000 kg | 56.7 mt |
| 1-1/16" | 3-1/4" | 27.5 lb | 134,000 lb | 121,000 lb | 26 mm | 78 mm | 40.9 kg | 60,800 kg | 54,700 kg | 60.8 mt |
| 1-1/8" | 3-1/2" | 31.9 lb | 148,000 lb | 133,000 lb | 28 mm | 84 mm | 47.5 kg | 67,100 kg | 60,400 kg | 67.1 mt |
| 1-1/4" | 3-3/4" | 36.2 lb | 165,000 lb | 149,000 lb | 30 mm | 90 mm | 53.9 kg | 74,800 kg | 67,400 kg | 74.8 mt |
| 1-5/16" | 4" | 41.8 lb | 185,000 lb | 167,000 lb | 32 mm | 96 mm | 62.2 kg | 84,000 kg | 75,600 kg | 84.0 mt |
| 1-3/8" | 4-1/8" | 45.0 lb | 205,000 lb | 185,000 lb | 34 mm | 100 mm | 67.0 kg | 93,000 kg | 83,700 kg | 93.0 mt |
| 1-1/2" | 4-1/2" | 51.7 lb | 228,000 lb | 205,000 lb | 36 mm | 108 mm | 76.9 kg | 103,000 kg | 93,100 kg | 103 mt |
| 1-9/16" | 4 3/4" | 57.6 lb | 254,000 lb | 229,000 lb | 38 mm | 114 mm | 85.7 kg | 115,000 kg | 104,000 kg | 115 mt |
| 1-5/8" | 5" | 65.2 lb | 283,000 lb | 255,000 lb | 40 mm | 120 mm | 97.0 kg | 128,000 kg | 116,000 kg | 128 mt |
| 1-11/16" | 5-1/4" | 71.0 lb | 307,000 lb | 276,000 lb | 42 mm | 126 mm | 106 kg | 139,000 kg | 125,000 kg | 139 mt |
| 1-3/4" | 5-1/2" | 78.4 lb | 335,000 lb | 302,000 lb | 44 mm | 132 mm | 117 kg | 152,000 kg | 137,000 kg | 152 mt |
| 2" | 6" | 86.4 lb | 392,000 lb | 353,000 lb | 48 mm | 144 mm | 129 kg | 178,000 kg | 160,000 kg | 178 mt |
| 2-1/16" | 6-1/4" | 95.0 lb | 418,000 lb | 376,000 lb | 50 mm | 150 mm | 141 kg | 190,000 kg | 171,000 kg | 190 mt |
| 2-1/8" | 6-1/2" | 109 lb | 457,000 lb | 411,000 lb | 52 mm | 156 mm | 162 kg | 207,000 kg | 187,000 kg | 207 mt |
| 2-1/4" | 7" | 116 lb | 537,000 lb | 483,000 lb | 56 mm | 168 mm | 173 kg | 244,000 kg | 219,000 kg | 244 mt |
| 2-1/2" | 7-1/2" | 148 lb | 588,000 lb | 529,000 lb | 60 mm | 180 mm | 220 kg | 267,000 kg | 240,000 kg | 267 mt |
| 2-5/8" | 8" | 167 lb | 662,000 lb | 596,000 lb | 64 mm | 192 mm | 248 kg | 300,000 kg | 270,000 kg | 300 mt |
| 2-3/4" | 8-1/2" | 187 lb | 735,000 lb | 662,000 lb | 68 mm | 204 mm | 278 kg | 333,000 kg | 300,000 kg | 333 mt |
| 3" | 9" | 206 lb | 832,000 lb | 749,000 lb | 72 mm | 216 mm | 307 kg | 377,000 kg | 340,000 kg | 377 mt |

*Spliced strength. **ISO strength specifications are for unspliced rope. All other strength specifications are for spliced rope.

†Size 7/64" (2.5 mm) changes from 12-strand to 8-strand construction.