FiberWire® suture is constructed of a multi-strand, long chain ultra-high molecular weight polyethylene (UHMWPE) core with a braided jacket of polyester and UHMWPE that gives FiberWire superior strength, soft feel and abrasion resistance that is unequaled in orthopaedic surgery. Suture breakage during knot tying is virtually eliminated, which is especially critical during arthroscopic procedures.

**Strength**
FiberWire has greater strength than comparable size standard polyester suture. Multiple independent scientific studies document significant increases in strength-to-failure, stiffness, knot strength and knot slippage with much less elongation¹.

**Biocompatibility**
Extensive biocompatibility, animal and clinical testing shows that FiberWire demonstrates biocompatibility characteristics equivalent to standard polyester suture. Over ten years of successful clinical outcomes in several million orthopaedic procedures substantiate excellent biocompatibility. Biocompatibility, strength and testing results are available upon request².

**Tie Ability and Knot Profile**
Orthopaedic surgeons enthusiastically endorse FiberWire for its feel and knot tying ability. The first throw stays down, facilitating reproducible tissue repair. Sliding knots advance smoothly easing arthroscopic knot tying procedures. Superior strength allows tighter loop security during knot tying, increasing knot integrity while reducing the knot profile compared to standard polyester suture.

**Abrasion Resistance**
The multi-strand long chain ultra-high molecular weight polyethylene core dramatically increases FiberWire abrasion resistance. Surgical procedures that create bone edges, tunnel edges and articulating surface abrasion areas are appropriate indications for FiberWire. FiberWire is more than five times more abrasion resistant than standard polyester suture.

**Variety**
The FiberWire family range in sizes 4-0 through #5, including designs such as FiberStick, FiberSnare, FiberTape, LabralTape and TigerTail that provide innovative solutions to arthroscopic suture passing. TigerWire has a black spiral thread for easier arthroscopic visualization, identification, sizing and motion detection. FiberLoop is ideal for multi-strand tendon repairs.

**Safety in Numbers**
Trusted by leading orthopaedic surgeons worldwide since its introduction in 2001, FiberWire has contributed to successful surgical outcomes in a quarter of a billion orthopaedic procedures ranging from Achilles tendon repair to rotator cuff repair. Multiple scientific publications have confirmed the advantages of FiberWire in orthopaedic surgery³,⁴.

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### Knot Strength Comparison

<table>
<thead>
<tr>
<th>Suture Size</th>
<th>FiberWire</th>
<th>Ethibond Excel*</th>
</tr>
</thead>
<tbody>
<tr>
<td>#5</td>
<td>11.50</td>
<td>11.67</td>
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<tr>
<td>#2</td>
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<tr>
<td>4-0</td>
<td>1.26</td>
<td>1.26</td>
</tr>
</tbody>
</table>

* ETHIBOND EXCEL is a registered trademark of Johnson & Johnson

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### Suture Products

* Data on file
FiberWire
FiberWire suture has greater strength than similarly sized polyester suture with superior feel, smooth tie ability and lower knot profile. FiberWire is the ideal suture for most orthopaedic soft tissue repairs, virtually eliminating suture breakage during knot tying.

#1 FiberWire, 38 inches (blue)  AR-7216
0 FiberWire, 38 inches (white)  AR-7255
0 FiberWire, 38 inches (blue), w/Tapered Needle, 22.2 mm ½ circle  AR-7250
0 FiberWire, 38 inches (blue), w/Diamond Point Needle, 22.2 mm ½ circle  AR-7251
2-0 FiberWire, 18” (blue) w/Tapered Needle, 17.9 mm 3/8 circle  AR-7220
2-0 FiberWire, 38” (blue)  AR-7221
2-0 FiberWire, 18” (blue) w/Tapered Needle, 26.5 mm 1/2 circle  AR-7242
3-0 FiberWire, 18” (blue) w/Diamond Point Needle, 26.2 mm 3/8 circle  AR-7225
3-0 FiberWire, 18” (blue) w/Tapered Needle, 15 mm 3/8 circle  AR-7227-01
3-0 FiberWire, 18” (blue) w/Reverse Cutting Needle, 16.3 mm 3/8 circle  AR-7227-02
4-0 FiberWire, 18” (blue) w/Diamond Point Needle, 18.7 mm 3/8 circle  AR-7228
4-0 FiberWire, 18” (blue) w/Tapered Needle, 12.3 mm 3/8 circle  AR-7230-01
4-0 FiberWire, 18” (blue) w/Reverse Cutting Needle, 11.9 mm 3/8 circle  AR-7230-02
4-0 FiberWire, 18” (white) w/Tapered Needle, 12.7 mm 1/2 circle  AR-7248

FiberLoop®
FiberLoop is a suture option for multi-strand tendon repairs. These small diameter looped FiberWire products allow for strong multi-strand flexor and extensor tendon repairs while reducing tendon damage from multiple needle passes.

#0 FiberLoop w/Straight Needle, 13” (blue), 76 mm needle w/7 mm loop  AR-7253
#0 TigerLoop w/Straight Needle, 13” (white/black), 76 mm needle w/7 mm loop  AR-7253T
2-0 FiberLoop, 30” (blue) w/Diamond Point Needle, 48 mm 1/2 circle  AR-7232-01
2-0 FiberLoop, 24” (blue) w/Diamond Point Needle, 26.2 mm 3/8 circle  AR-7232-02
2-0 FiberLoop, 13” (blue) w/Diamond Point Straight Needle, 64.8 mm  AR-7232-03
4-0 FiberLoop, 6” (white) w/Tapered Needle, 12.7 mm 1/2 circle  AR-7249-12
4-0 FiberLoop, 10” (white) w/Tapered Needle, 12.7 mm 1/2 circle  AR-7249-20
4-0 FiberLoop, 6” (blue) w/Tapered Needle, 17.9 mm 3/8 circle  AR-7229-12
4-0 FiberLoop, 10” (blue) w/Tapered Needle, 17.9 mm 3/8 circle  AR-7229-20

FiberStick™ and TigerStick®
The stiffened end of FiberStick and TigerStick sutures allows convenient and easy advancement through most cannulated instruments or spinal needles, alleviating the need for a monofilament suture or wire suture shuttle. FiberStick and TigerStick come with a thin plastic tube that protects the stiffened suture end until use.

2-0 FiberStick, 2-0 FiberWire, 50” (blue) one end stiffened, 12”  AR-7222

FiberWire Scissor
The FiberWire Scissor was designed to cut any size or style suture, especially FiberWire. Suture Cutter is not necessary. It cuts FiberWire cleanly and effortlessly without frayed edges.

FiberWire Scissor  AR-11796
FiberWire Scissor, small  AR-11797

FiberTape Cutters
Suture Cutters
FingerShield™
The FingerShield is a woven polyester sleeve with an embedded radiopaque blue marker designed to reduce pressure induced lacerations to the digits of the hand caused by repetitive knot tying during surgery. The tips are left open to allow pinch grasp of suture strands.

FingerShield, 2/pk  AR-7199
<table>
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<tr>
<th>Suture Size</th>
<th>Needle Descriptions</th>
<th>Reference Number</th>
<th>Catalog Number</th>
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<td>T-4</td>
<td>AR-7250</td>
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<td>AR-7251</td>
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<td>AR-7256</td>
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<td>2-0 (3 metric)</td>
<td>17.9 mm ¾ circle</td>
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<td>AR-7220</td>
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<td>26.5 mm ½ circle</td>
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<td>AR-7242</td>
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<td>3-0 (2 metric)</td>
<td>15 mm ¾ circle</td>
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<td>AR-7227-01</td>
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<td>16.3 mm ¾ circle</td>
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<td>C-17</td>
<td>AR-7230-02</td>
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<tr>
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<td>12.3 mm ¾ circle</td>
<td>T-12</td>
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<tr>
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<td>AR-7228</td>
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<td>AR-7253 and AR-7253T</td>
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<td>48 mm ½ circle</td>
<td>D-17</td>
<td>AR-7232-01</td>
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<td>T-22</td>
<td>AR-7249-12, AR-7249-20 and AR-7248</td>
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</tbody>
</table>

References:
2. FiberWire: Collective Summary of Strength and Biocompatibility Testing Data Comparisons of Polyester and Polyblend Sutures, study presented from in-house testing, 2001; LA0235