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Common Assembly Configurations:

| | | |
|------------|-----------|--------|
| Singlemode | RBD9-FC3M | FC UPC |
| | RBD9-FA3M | FC APC |
| | RBD9-LC3M | LC UPC |
| | RBD9-LA3M | LC APC |
| | RBD9-SC3M | SC UPC |
| | RBD9-SA3M | SC APC |
| | RBD9-ST3M | ST UPC |

| | | |
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| Multimode62.5 OM1 | KBD9-LC3M | LC PC |
| | KBD9-SC3M | SC PC |
| | KBD9-ST3M | ST PC |

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| Multimode50 OM2 | CBD9-LC3M | LC PC |
| | CBD9-SC3M | SC PC |
| | CBD9-ST3M | ST PC |

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| Multimode50 OM3 | SBD9-LC3M | LC PC |
| | SBD9-SC3M | SC PC |
| | SBD9-ST3M | ST PC |

| SPECIFICATIONS | | | | | | | | | | |
|---|------------------------------------|--------|-----------------------------|--------|-----------------------------|------|---------------------------|------|------------------------------|------|
| Construction Configuration | Simplex Tight Buffer 900um Strands | | | | | | | | | |
| Maximum Tensile Loads Short Term | 6N | | | | | | | | | |
| Maximum Tensile Loads Long Term | 3N | | | | | | | | | |
| Temperature Range Storage | -40 to 70 C | | | | | | | | | |
| Temperature Range Operation | -20 to 70 C | | | | | | | | | |
| Fiber Code | R | | N | | K | | C | | S | |
| Fiber Type | 9/125um Singlemode | | 8.6/125um Bend Optimized SM | | 62.5/125um Multimode (OM 1) | | 50/125um Multimode (OM 2) | | 50/125um LO Multimode (OM 3) | |
| Wavelengths (nm) | 1310 | 1550 | 1310 | 1550 | 850 | 1300 | 850 | 1300 | 850 | 1300 |
| Maximum Attenuation (dB/km) | 1 | 0.75 | 0.35 | 0.21 | 3.75 | 1.5 | 3.5 | 1.5 | 3.0 | 1.5 |
| Minimum LED Bandwidth (MHz*km) | - | - | - | - | 160 | 500 | 500 | 500 | 1500 | 500 |
| Serial Gigabit Ethernet Distance (m) | 5000 | - | 5000 | - | 220 | 550 | 600 | 600 | 1000 | 600 |
| Serial 10-Gigabit Ethernet Distance (m) | 10,000 | 40,000 | 10,000 | 40,000 | 26 | - | 82 | - | 300 | - |
| Minimum Bend Radius Loaded (mm) | 50 | | 25 | | 50 | | 50 | | 50 | |
| Minimum Bend Radius Installed (mm) | 30 | | 15 | | 30 | | 30 | | 30 | |
| Insertion Loss (dB Max) | <=0.3 | | <=0.3 | | <=0.4 | | <=0.4 | | <=0.4 | |
| Backreflection (dB Max) | <=-55 (-65 APC) | | <=-55 (-65 APC) | | <=-25 | | <=-25 | | <=-25 | |

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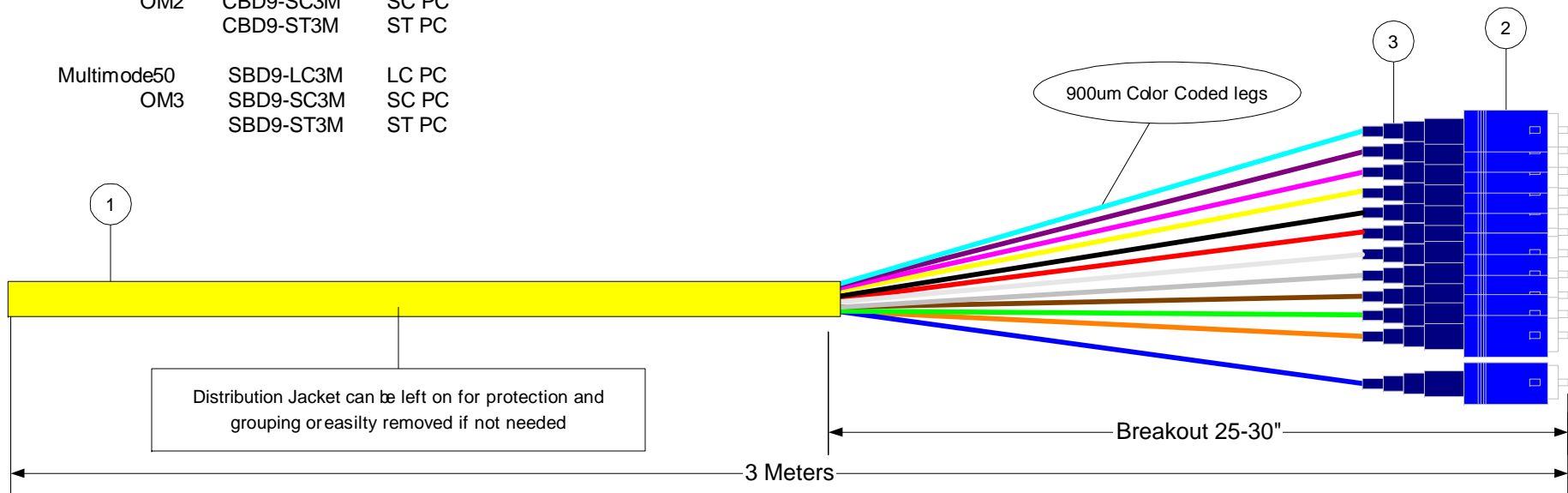
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Distribution Jacket can be left on for protection and grouping or easily removed if not needed

900um Color Coded legs

Breakout 25-30"

3 Meters

Sample Bill of Material, RBD9-SC3M

| ITEM | QTY. | DESCRIPTION |
|------|------|---|
| 1 | 3M | SM 12 FIBER DISTRIBUTION Tight Buffer 900um |
| 2 | 12 | Connector SC Ceramic Epoxy & Polish |
| 3 | 12 | Boot 900um |

Frederick Fiber Optics Inc.

| | | | |
|--|----------|-----------|--------|
| TITLE | | | |
| Pigtail90012F | | | |
| DESCRIPTION | | | |
| 12 Fiber 900um Pigtail 3 meters | | | |
| SCALE | DRAWN BY | REVISED | PAGE |
| NONE | AFEEZER | 6/29/2007 | 1 OF 1 |

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