

## 2 through 12 fibers

### Product Highlights

- 900  $\mu\text{m}$  buffered design recommended for termination to ST and SC connectors
- 600  $\mu\text{m}$  buffered design optimized for termination to MT-RJ and other small form factor connectors; consult manufacturer for recommended overall diameter
- Each fiber is color coded for easy identification
- Ideal intra-building cable solution
- Flexible and easy to handle
- Lightweight, flexible aramid yarns enhance strength

### Options

- Cables with improved attenuation available



2-fiber



4-fiber



6-fiber



8-fiber



10-fiber



12-fiber

Diagram scale approx. 2:1

## 62.5/125 $\mu\text{m}$ Multimode SingleUnit (Riser)

(UL) OFNR c(UL) FT4

| HITACHI PART NO.  | FIBER COUNT | CABLE O.D. |     | MAXIMUM LOAD INSTALL |      | OPERATION |      | CABLE WEIGHT |          |  |
|---|-------------|------------|-----|----------------------|------|-----------|------|--------------|----------|--|
|   |             | in.        | mm  | lbs-f                | N    | lbs-f     | N    | lbs/1000ft   | kg/1000m |  |
| <b>62.5/125 <math>\mu\text{m}</math> Multimode (62.5/125/250/900)</b>                                     |             |            |     |                      |      |           |      |              |          |  |
| 60514-2   | 2           | .190       | 4.8 | 90                   | 400  | 30        | 140  | 11.5         | 16.9     |  |
| 60515-4   | 4           | .190       | 4.8 | 300                  | 1200 | 100       | 400  | 13.0         | 19.1     |  |
| 60515-6   | 6           | .190       | 4.8 | 200                  | 1200 | 100       | 400  | 14.5         | 21.3     |  |
| 60515-8   | 8           | .230       | 5.8 | 500                  | 2500 | 200       | 1000 | 18.5         | 27.2     |  |
| 60515-10  | 10          | .230       | 5.8 | 600                  | 2700 | 200       | 1000 | 20.0         | 29.4     |  |
| 60515-12  | 12          | .230       | 5.8 | 600                  | 2700 | 200       | 1000 | 21.5         | 31.6     |  |
| <b>62.5/125 <math>\mu\text{m}</math> StratusClear™ Multimode (62.5/125/250/900)</b>                       |             |            |     |                      |      |           |      |              |          |  |
| 60326-2   | 2           | .190       | 4.8 | 90                   | 400  | 30        | 140  | 11.5         | 16.9     |  |
| 60519-4   | 4           | .190       | 4.8 | 300                  | 1200 | 100       | 400  | 13.0         | 19.1     |  |
| 60519-6   | 6           | .190       | 4.8 | 200                  | 1200 | 100       | 400  | 14.5         | 21.3     |  |
| 60519-8   | 8           | .230       | 5.8 | 500                  | 2500 | 200       | 1000 | 18.5         | 27.2     |  |
| 60519-10  | 10          | .230       | 5.8 | 600                  | 2700 | 200       | 1000 | 20.0         | 29.4     |  |
| 60519-12  | 12          | .230       | 5.8 | 600                  | 2700 | 200       | 1000 | 21.5         | 31.6     |  |
| <b>62.5/125 <math>\mu\text{m}</math> Multimode (62.5/125/250/600) *Special Applications</b>               |             |            |     |                      |      |           |      |              |          |  |
| 60508-2   | 2           | .190       | 4.8 | 90                   | 400  | 30        | 140  | 10.8         | 15.8     |  |
| 60529-4   | 4           | .190       | 4.8 | 300                  | 1200 | 100       | 400  | 11.7         | 17.2     |  |
| 60529-6   | 6           | .190       | 4.8 | 200                  | 1200 | 100       | 400  | 12.5         | 18.4     |  |
| 60529-8   | 8           | .230       | 5.8 | 500                  | 2500 | 200       | 1000 | 15.8         | 23.2     |  |
| 60529-10  | 10          | .230       | 5.8 | 600                  | 2700 | 200       | 1000 | 16.7         | 24.5     |  |
| 60529-12  | 12          | .230       | 5.8 | 600                  | 2700 | 200       | 1000 | 17.5         | 25.7     |  |
| <b>62.5/125 <math>\mu\text{m}</math> StratusClear™ Multimode (62.5/125/250/600) *Special Applications</b> |             |            |     |                      |      |           |      |              |          |  |
| 60509-2   | 2           | .190       | 4.8 | 90                   | 400  | 30        | 140  | 10.8         | 15.8     |  |
| 60532-4   | 4           | .190       | 4.8 | 300                  | 1200 | 100       | 400  | 11.7         | 17.2     |  |
| 60532-6   | 6           | .190       | 4.8 | 200                  | 1200 | 100       | 400  | 12.5         | 18.4     |  |
| 60532-8   | 8           | .230       | 5.8 | 500                  | 2500 | 200       | 1000 | 15.8         | 23.2     |  |
| 60532-10  | 10          | .230       | 5.8 | 600                  | 2700 | 200       | 1000 | 16.7         | 24.5     |  |
| 60532-12  | 12          | .230       | 5.8 | 600                  | 2700 | 200       | 1000 | 17.5         | 25.7     |  |

## Optical Specifications

TIA/EIA-568-B.3

ISO/IEC 11801, 2nd edition

Bellcore GR-409-CORE

|                                   | 62.5/125 $\mu\text{m}$ MULTIMODE                          | STRATUSCLEAR 62.5/125 $\mu\text{m}$ MULTIMODE              |
|-----------------------------------|---|--|
| MAXIMUM ATTENUATION               | $\leq 3.5$ dB/km at 850 nm<br>$\leq 1.0$ dB/km at 1300 nm | $\leq 3.25$ dB/km at 850 nm<br>$\leq 1.0$ dB/km at 1300 nm |
| MINIMUM BANDWIDTH (OFL)           | 200 MHz•km at 850 nm<br>500 MHz•km at 1300 nm             | 200 MHz•km at 850 nm<br>500 MHz•km at 1300 nm              |
| MINIMUM BANDWIDTH (RML)           | 220 MHz•km at 850 nm<br>n/a                               | 385 MHz•km at 850 nm<br>n/a                                |
| GIGABIT ETHERNET SUPPORT DISTANCE | 300 m at 850 nm<br>550 m at 1300 nm                       | 500 m at 850 nm<br>1,000 m at 1300 nm                      |

# SingleUnit

## 62.5/125 $\mu\text{m}$ and StratusClear™ Multimode

### 62.5/125 $\mu\text{m}$ Multimode SingleUnit (Plenum)

(UL) OFNP c(UL) FT6

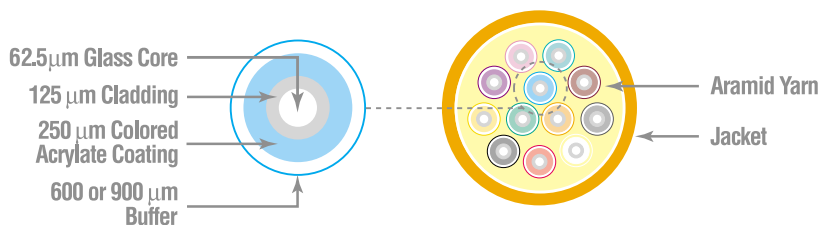
| HITACHI<br>PART NO.   | FIBER<br>COUNT | CABLE<br>O.D. |     | MAXIMUM LOAD<br>INSTALL |      | OPERATION |      | CABLE<br>WEIGHT |          |  |
|---|----------------|---------------|-----|-------------------------|------|-----------|------|-----------------|----------|--|
|   |                | in.           | mm  | lbs-f                   | N    | lbs-f     | N    | lbs/1000ft      | kg/1000m |  |
| 62.5/125 $\mu\text{m}$ Multimode (62.5/125/250/900)                                     |                |               |     |                         |      |           |      |                 |          |  |
| 60024-2   | 2              | .190          | 4.8 | 90                      | 400  | 30        | 140  | 13.1            | 19.3     |  |
| 60517-4   | 4              | .190          | 4.8 | 300                     | 1200 | 100       | 400  | 14.8            | 21.8     |  |
| 60517-6   | 6              | .190          | 4.8 | 300                     | 1200 | 100       | 400  | 16.5            | 24.3     |  |
| 60517-8   | 8              | .230          | 5.8 | 500                     | 2500 | 200       | 1000 | 21.0            | 30.9     |  |
| 60517-10  | 10             | .230          | 5.8 | 600                     | 2700 | 200       | 1000 | 22.7            | 33.4     |  |
| 60517-12  | 12             | .230          | 5.8 | 600                     | 2700 | 200       | 1000 | 24.4            | 35.9     |  |
| 62.5/125 $\mu\text{m}$ StratusClear™ Multimode (62.5/125/250/900)                       |                |               |     |                         |      |           |      |                 |          |  |
| 60332-2   | 2              | .190          | 4.8 | 90                      | 400  | 30        | 140  | 13.1            | 19.3     |  |
| 60521-4   | 4              | .190          | 4.8 | 300                     | 1200 | 100       | 400  | 14.8            | 21.8     |  |
| 60521-6   | 6              | .190          | 4.8 | 300                     | 1200 | 100       | 400  | 16.5            | 24.3     |  |
| 60521-8   | 8              | .230          | 5.8 | 500                     | 2500 | 200       | 1000 | 21.0            | 30.9     |  |
| 60521-10  | 10             | .230          | 5.8 | 600                     | 2700 | 200       | 1000 | 22.7            | 33.4     |  |
| 60521-12  | 12             | .230          | 5.8 | 600                     | 2700 | 200       | 1000 | 24.4            | 35.9     |  |
| 62.5/125 $\mu\text{m}$ Multimode (62.5/125/250/600) *Special Applications               |                |               |     |                         |      |           |      |                 |          |  |
| 60510-2   | 2              | .190          | 4.8 | 90                      | 400  | 30        | 140  | 12.5            | 18.4     |  |
| 60530-4   | 4              | .190          | 4.8 | 300                     | 1200 | 100       | 400  | 13.4            | 19.7     |  |
| 60530-6   | 6              | .190          | 4.8 | 300                     | 1200 | 100       | 400  | 14.4            | 21.2     |  |
| 60530-8   | 8              | .230          | 5.8 | 500                     | 2500 | 200       | 1000 | 18.2            | 26.8     |  |
| 60530-10  | 10             | .230          | 5.8 | 600                     | 2700 | 200       | 1000 | 19.2            | 28.2     |  |
| 60530-12  | 12             | .230          | 5.8 | 600                     | 2700 | 200       | 1000 | 20.2            | 29.7     |  |
| 62.5/125 $\mu\text{m}$ StratusClear™ Multimode (62.5/125/250/600) *Special Applications |                |               |     |                         |      |           |      |                 |          |  |
| 60511-2   | 2              | .190          | 4.8 | 90                      | 400  | 30        | 140  | 12.5            | 18.4     |  |
| 60533-4   | 4              | .190          | 4.8 | 300                     | 1200 | 100       | 400  | 13.4            | 19.7     |  |
| 60533-6   | 6              | .190          | 4.8 | 300                     | 1200 | 100       | 400  | 14.4            | 21.2     |  |
| 60533-8   | 8              | .230          | 5.8 | 500                     | 2500 | 200       | 1000 | 18.2            | 26.8     |  |
| 60533-10  | 10             | .230          | 5.8 | 600                     | 2700 | 200       | 1000 | 19.2            | 28.2     |  |
| 60533-12  | 12             | .230          | 5.8 | 600                     | 2700 | 200       | 1000 | 20.2            | 29.7     |  |

### Mechanical Specifications

- Bend radius, no load = 4x cable overall diameter
- Bend radius, load = 10x cable overall diameter



### Features



**DIELECTRIC MATERIALS**

Overall Jacket

**RISER**

Flame-retardant thermoplastic

**PLENUM**

Low-smoke, flame-retardant thermoplastic