

Armored

2 Through 24 fibers

HITACHI

Inspire the Next

Product Highlights

- RoHS and REACH compliant.
- All Multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers.
- Eliminates need for innerduct or conduit.
- Aluminum interlock armor standard.
- Each fiber is color coded for easy identification.
- Ideal cable solution for Campus environments.
- Flexible and easy to handle.
- UV Resistant Jacket.
- Dry, super absorbant polymers (SAPs) eliminate water migration in cable interstices.
- Suitable for lashed aerial, duct, underground conduit and indoor plenum applications.
- 900um buffered design recommended for easy termination.

Options

- Standard color configuration is a black outer jacket with a black inner jacket. Colored inner and outer jackets (orange, yellow & aqua) can be special ordered.
- OS2 optical fibers with enhanced bend-insensitive performance are available.
- OM4 optical fibers with extended 10 gigabit Ethernet distances are available.
- Steel Interlock armor available.

Applications

- See Page 93.



12-fiber

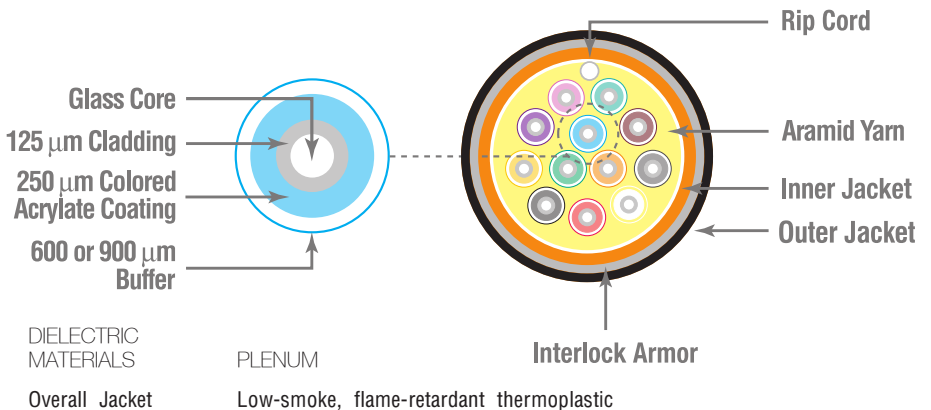
Diagram scale approx. 2:1

Indoor/Outdoor Armored Tight Buffered (Plenum)

(UL) OFCP c(UL) OFCP FT6

| FIBER COUNT | 62.5 UM OM1 | 50 UM OM2 | 50 UM OM3 | 50 UM OM4 | 8.3 UM OS2 |
|-------------|-------------|-----------|-----------|-----------|------------|
| 2 | 61580-2 | 61577-2 | 61578-2 | 62068-2 | 61579-2 |
| 4 | 61580-4 | 61577-4 | 61578-4 | 62068-4 | 61579-4 |
| 6 | 61580-6 | 61577-6 | 61578-6 | 62068-6 | 61579-6 |
| 8 | 61580-8 | 61577-8 | 61578-8 | 62068-8 | 61579-8 |
| 12 | 61580-12 | 61577-12 | 61578-12 | 62068-12 | 61579-12 |
| 24 | 61580-24 | 61577-24 | 61578-24 | 62068-24 | 61579-24 |

Features



IN/OUTDOOR Armored

Multimode and Singlemode

Armored Tight Buffered (Plenum)

(UL) OFCP c(UL) OFCP FT6

| FIBER COUNT | CABLE O.D. | | RECOMMENDED MAXIMUM LOADS | | | | CABLE WEIGHT | |
|-------------|------------|--------|---------------------------|------|-----------|-----|--------------|----------|
| | in. | mm | INSTALL | | OPERATION | | lbs/1000 ft | kg/1000m |
| | | | lbs-f | N | lbs-f | N | | |
| 2 | 0.48 | 12.192 | 300 | 1335 | 100 | 445 | 100.4 | 149.4 |
| 4 | 0.48 | 12.192 | 300 | 1335 | 100 | 445 | 101.7 | 151.4 |
| 6 | 0.48 | 12.192 | 300 | 1335 | 100 | 445 | 103.0 | 153.3 |
| 8 | 0.52 | 13.208 | 300 | 1335 | 100 | 445 | 109.1 | 162.4 |
| 12 | 0.52 | 13.208 | 300 | 1335 | 100 | 445 | 111.8 | 166.4 |
| 24 | 0.64 | 16.256 | 600 | 2671 | 200 | 890 | 164.1 | 244.2 |

Mechanical Specifications

- Bend radius, no load = 15x cable overall diameter
- Bend radius, load = 20x cable overall diameter



Cable Temperature Ranges

Storage: -40° to 70°C (-40° to 158°F)
 Installation: 0°C to 60°C (32° to 140°F)
 Operating: -40° to 70°C (-40° to 158°F)

Optical Specifications

TIA/EIA-568-C.3 | ISO/IEC 11801, 2nd edition | Telcordia GR-409-CORE

| Fiber type | Max. Attenuation | | Min OFL Bandwidth | | Min EMBc Bandwidth | | Gb Ethernet distance | | 10 Gb Ethernet distance | |
|------------|---------------------------|----------------------------|---------------------------|----------------------------|---------------------------|----------------------------|---------------------------|----------------------------|---------------------------|----------------------------|
| | (dB/km) | | (MHz-km) | | (MHz-km) | | (m) | | (m) | |
| | 850nm (MM) or 1310nm (SM) | 1300nm (MM) or 1550nm (SM) | 850nm (MM) or 1310nm (SM) | 1300nm (MM) or 1550nm (SM) | 850nm (MM) or 1310nm (SM) | 1300nm (MM) or 1550nm (SM) | 850nm (MM) or 1310nm (SM) | 1300nm (MM) or 1550nm (SM) | 850nm (MM) or 1310nm (SM) | 1300nm (MM) or 1550nm (SM) |
| OM1 | 3.5 | 1.0 | 200 | 500 | 220 | N/A | 300 | 550 | 33 | N/A |
| OM2 | 3.5 | 1.0 | 700 | 500 | 950 | N/A | 750 | 550 | 150 | N/A |
| OM3 | 3.25 | 1.0 | 1500 | 500 | 2000 | N/A | 1000 | 550 | 300 | N/A |
| OM4 | 3.0 | 1.0 | 3500 | 500 | 4700 | N/A | 1100 | 550 | 550 | N/A |
| OS2 | 0.5 | 0.5 | N/A | N/A | N/A | N/A | > 25,000 | > 40,000 | 10,000 - 25,000 | 40000 |

Hitachi Cable America reserves the right to revise any specifications.



Indoor/Outdoor Armored