Structured Cable Products Easy Fiber with SSF™ advanced optical glass fibers are much stronger, safer, and faster terminating than typical fibers. This simplex style cable provides the ultimate in durability and bend with ease of termination. Easy Fiber cables are always protected at the glass level as a result of their integral polymeric coating, increasing both bend and tensile strength to unprecedented levels. Easy Fiber cables are compatible with all common connector systems on the market for standard 50/125 multimode and 9/125 Singlemode fibers.

Features And Benefits:
* High mechanical strength and superior fatigue & durability
* Integral coating eliminates stripping, provides glass protection
* Bend longevity for 10,000X longer life time than normal fibers
* Increased safety factor due to the incredible bend insensitivity
* Bend longevity for 10,000X longer life time than normal fibers
* Glass fiber remains protected at all times from the elements
* Simplified termination process designed for ease of use
* Ultra low Attenuation loss on tight bend radius
* Exclusive 250μm Soft peel jacket identifier

CONSTRUCTION

FIBER
Number of Fibers; Simplex = 1
50/125 Multimode OM3/OM4
250μm “Soft Peel” coating (1 = Blue)
Color Coding per TIA/EIA 568C

JACKET
Riser Rated PVC / Plenum Rated PVC + UV
3.0mm unit diameter
Aqua jacket – multimode fiber
Sequential footage markings™
Kevlar (Plenum + water blocking yarns)

PHYSICAL DATA
Storage Temperature Range = -40°C to +85°C
Operating Temperature Range = -20°C to +75°C
Max Tensile Load for Installation = 1000(225) N (lbf)
Max Tensile Load term = 10 x OD (10 x 3mm)
Min. Bend Radius, Unloaded = 10 x OD (10 x 3mm)
Cable Outside Diameter, Nominal = 3.0mm
Cable Package = 1000ft Pull Box or
Cut to customer request, spooled
Rating = OFNR/FT4/Riser or OFNP/FT6/Plenum

APPLICATIONS
Intra building voice or data communication backbones, Light weight ultra flexible design simplifies installation.
Fiber- to- the-Desk (FTTD), Fiber-to-the-Home (FTTH)
ETL listed Type OFNP for installation in ducts, plenums and other spaces used as environmental air returns when installed in accordance with NEC 770-51 (a) and 770-53 (a)
ETL Listed Type OFNP, CSA FT6, ANSI/TIA/EIA 568 B.3

ENVIRONMENTAL CHARACTERISTICS
Temperature Dependence at 850 nm and 1300 nm ≤ 0.5 (dB/km)
Induced Attenuation -40°C to +85°C
Water soaks Dependence at 850nm and 1300 nm ≤ 0.5 (dB/km)
Induced Attenuation at 23°C for 30 days
Damp Heat Dependence at 850 nm and 1300 nm ≤ 0.5 (dB/km)
Induced Attenuation at 85°C, 85%RH, 30 days
Dry Heat Dependence at 850 nm and 1300 nm ≤ 0.5 (dB/km)
Induced Attenuation at 85°C, 30 days

COMPLIANCE
ETL Listed OFNR C(UL)US - CSA FT4 and ONFP C(UL)US- CSA FT6
RoHS Compliant Directive 2011/65/EU
*Ensured via minEMBC.per TIA/EIA 455-220A and IEC 60793-1-49, for high performance laser based systems.

PART NUMBERS

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PART DESCRIPTION</th>
<th>FIBER COUNT</th>
<th>NOMINAL DIAMETER</th>
<th>CABLE WEIGHT</th>
<th>TOTAL WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplex Riser</td>
<td>1 Fiber/s</td>
<td>3.0mm</td>
<td>6.61 lbs/kft</td>
<td>7.71 lbs</td>
<td></td>
</tr>
<tr>
<td>Simplex Plenum</td>
<td>1 Fiber/s</td>
<td>3.0mm</td>
<td>6.61 lbs/kft</td>
<td>7.71 lbs</td>
<td></td>
</tr>
</tbody>
</table>

SSF conforms to the requirement of IEC 60793 A1a, ISO/IEC 11801 & ITU-T G.651.1. 850 nm Laser-Optomized 50 μm-core multimode fiber for 10 Gb/s & above applications

SFF™ is a trademark of Cleerline Technology Group

OPTICAL CHARACTERISTICS*
Attenuation Coefficient 850 nm
1300 nm
≤ 3.0 (db/km)
≤ 1.0 (db/km)
Numerical Aperture
0.200 ± 0.015
Overfilled Modal Bandwidth 850 nm
1300 nm
≤ 1500 (MHz•km)
≥ 500 (MHz•km)
High Performance EMB 850nm
= 2000 (MHz•km)

BACKSCATTER CHARACTERISTICS
Attenuation Directional Uniformity
≤ 0.05 (db/km)
Attenuation Uniformity
≤ 0.05 (db)
Group Index of Refraction 850 nm
1300 nm
1.481
1.476

PHYSICAL CHARACTERISTICS
Core Diameter
50.0 ± 2.5(μm)
Core Non-circlearity
≤ 6 (%) Core / Hybrid Cladding Concentricity Error
≤ 3.0 (μm) Hybrid Cladding Diameter
125 ± 0.7 (μm) Hybrid Cladding Non-Circlearity Error
≤ 3.0 (%) Soft Peel Jacket Identifier Diameter
250 ± 0.7 (μm) Coating Strip Force
100 (g) Fiber Curl
≤ 2 (m) Proof Test
100 (kpsi) Bend Induced Attenuation at 1300 nm
(100 turns around a mandrel of 75 mm diameter)
Dynamic fatigue 23C, 41%RH
>30(nd)
Length
1.0 – 8.8 (Km)

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