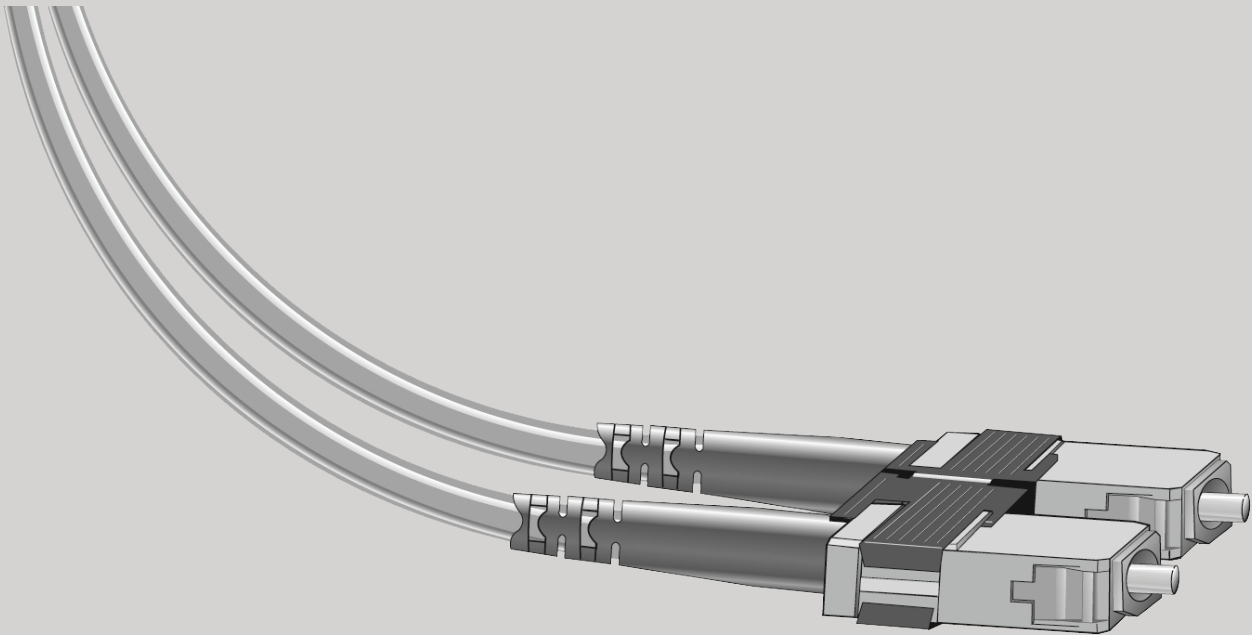


DATA SHEET

EFE080 THROUGH EFE088 SERIES

SINGLEMODE RUGGEDIZED FIBER CABLE

TECHNICAL SUPPORT AT 00800.2255.2269 OR VISIT BLACKBOX.EU



BLACK BOX

OVERVIEW

SINGLEMODE RUGGEDIZED FIBER CABLE DATA SHEET

INTRODUCTION

Black Box ruggedized patch cords are constructed with helical stainless steel tape over a buffered fiber surrounded by a layer of aramid and stainless steel mesh, and feature a Low Smoke Zero Halogen (LSZH) jacket. The cable provides protection against kinking and crushing (two common problems when installing fiber), yet remains flexible and compact.

Enhanced armored patch cords are used in customer premises, central offices and in indoor harsh environments, and provide flexible interconnection to active equipment, passive optical devices and cross-connects. Our patch cords are terminated with premium connectors, all of which are quality tested to meet international standards.

APPLICATIONS

- DATACENTER AND COLOCATION
- CATV/VIDEO
- PASSIVE OPTICAL NETWORK PON
- FTTX
- ATM, SONET AND WDM
- MILITARY APPLICATIONS

FEATURES

- TWICE AS STRONG AS STANDARD DUPLEX PATCH CABLES
- CRUSH AND KINK RESISTANT, YET FLEXIBLE AND COMPACT
- LESS PRONE TO DAMAGE DURING AND AFTER INSTALLATION.
- CHOOSE FROM LC, SC, ST, AND FC CONNECTORS
- LOW SMOKE ZERO HALOGEN (LSZH) JACKETING
- AVAILABLE IN SINGLEMODE AND MULTIMODE FIBER TYPES
- AVAILABLE IN STANDARD AND CUSTOM LENGTHS
- REACH, SVHC, AND ROHS MATERIALS COMPLIANT

COMPARISON CHART

| SPECIFICATION COMPARISON CHART | | | | | | | | |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| EFE080 | EFE081 | EFE082 | EFE083 | EFE084 | EFE085 | EFE086 | EFE087 | EFE088 |
| LC/LC | LC/SC | LC/ST | FC/ST | FC/SC | FC/FC | ST/ST | ST/SC | SC/SC |
| 1-m | 1-m | 1-m | 1-m | 1-m | 1-m | 1-m | 1-m | 1-m |
| 2-m | 2-m | 2-m | 2-m | 2-m | 2-m | 2-m | 2-m | 2-m |
| 3-m | 3-m | 3-m | 3-m | 3-m | 3-m | 3-m | 3-m | 3-m |
| 5-m | 5-m | 5-m | 5-m | 5-m | 5-m | 5-m | 5-m | 5-m |
| 10-m | 10-m | 10-m | 10-m | 10-m | 10-m | 10-m | 10-m | 10-m |
| 15-m | 15-m | 15-m | 15-m | 15-m | 15-m | 15-m | 15-m | 15-m |
| 20-m | 20-m | 20-m | 20-m | 20-m | 20-m | 20-m | 20-m | 20-m |

For complete ordering information, see page 5.



SPECIFICATIONS

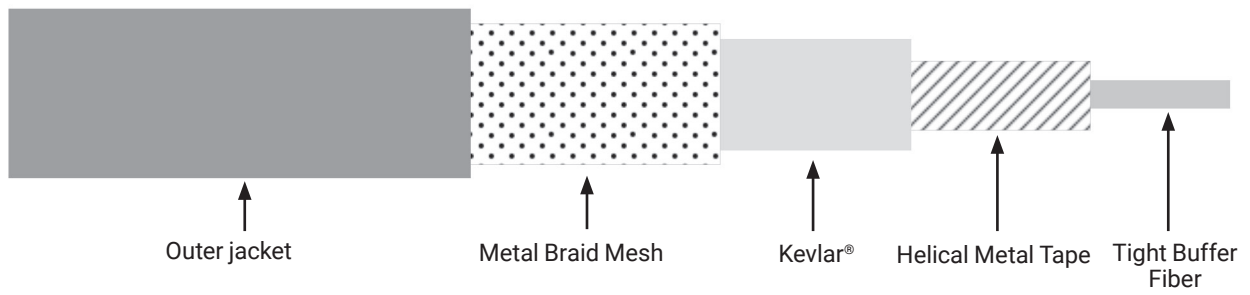
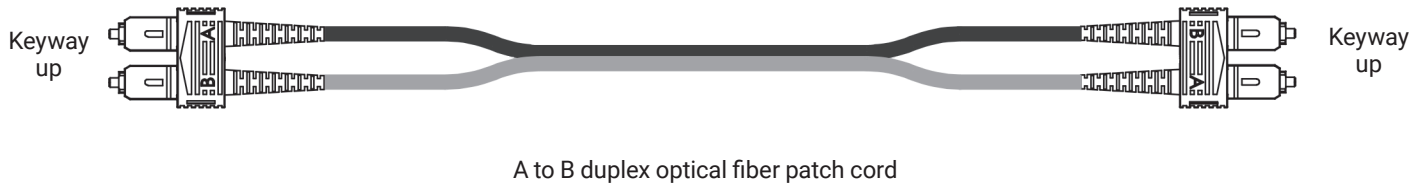
SINGLEMODE RUGGEDIZED FIBER CABLE DATA SHEET

| SPECIFICATIONS FOR SINGLEMODE RUGGEDIZED FIBER CABLE | | |
|--|--------------------------------|----------------|
| CONNECTORS | | |
| OPTICAL PERFORMANCE | SINGLEMODE | CONFORMANCE |
| IL MAX/MASTER (ACCEPTANCE) | 0.25 dB | IEC 61300-3-4 |
| AVE/MASTER | 0.18 dB | IEC 61300-3-4 |
| AVE/RANDOM | 0.18 dB | IEC 61300-3-34 |
| RETURN LOSS SINGLE MODE UPC/APC | 55/65 dB | IEC 61300-3-6 |
| FIBER CHARACTERISTICS | | |
| ATTENUATION (DB/KM) SINGLE MODE | 0.38 @ 1310 nm / 0.25 @1550 nm | |
| CHROMATIC DISPERSION (PS/NM X KM) SINGLE MODE | 3.0 @ 1310 nm / 18.0 @1550 nm | |
| CABLE SPECIFICATIONS | | |
| CABLE MATERIAL | LSZH | |
| STRENGTH MEMBER | Aramid | |
| CRUSH (N) SHORT TERM | 3000 | |
| CRUSH (N) LONG TERM | 200 | |
| OPERATING TEMPERATURE (°C) | -20 to +60° C | |
| FIRE SPECIFICATION | IEC 60332-1 | |



DIAGRAMS

SINGLEMODE RUGGEDIZED FIBER CABLE DATA SHEET



ORDERING INFORMATION

| PART NUMBER | LENGTH | PART NUMBER | LENGTH |
|-------------------------|--------|-------------------------|--------|
| LC/LC CONNECTORS | | FC/FC CONNECTORS | |
| EFE080-001M | 1-m | EFE085-001M | 1-m |
| EFE080-002M | 2-m | EFE085-002M | 2-m |
| EFE080-003M | 3-m | EFE085-003M | 3-m |
| EFE080-005M | 5-m | EFE085-005M | 5-m |
| EFE080-010M | 10-m | EFE085-010M | 10-m |
| EFE080-015M | 15-m | EFE085-015M | 15-m |
| EFE080-020M | 20-m | EFE085-020M | 20-m |
| LC/SC CONNECTORS | | ST/ST CONNECTORS | |
| EFE081-001M | 1-m | EFE086-001M | 1-m |
| EFE081-002M | 2-m | EFE086-002M | 2-m |
| EFE081-003M | 3-m | EFE086-003M | 3-m |
| EFE081-005M | 5-m | EFE086-005M | 5-m |
| EFE081-010M | 10-m | EFE086-010M | 10-m |
| EFE081-015M | 15-m | EFE086-015M | 15-m |
| EFE081-020M | 20-m | EFE086-020M | 20-m |
| LC/ST CONNECTORS | | ST/SC CONNECTORS | |
| EFE082-001M | 1-m | EFE087-001M | 1-m |
| EFE082-002M | 2-m | EFE087-002M | 2-m |
| EFE082-003M | 3-m | EFE087-003M | 3-m |
| EFE082-005M | 5-m | EFE087-005M | 5-m |
| EFE082-010M | 10-m | EFE087-010M | 10-m |
| EFE082-015M | 15-m | EFE087-015M | 15-m |
| EFE082-020M | 20-m | EFE087-020M | 20-m |
| FC/ST CONNECTORS | | SC/SC CONNECTORS | |
| EFE083-001M | 1-m | EFE088-001M | 1-m |
| EFE083-002M | 2-m | EFE088-002M | 2-m |
| EFE083-003M | 3-m | EFE088-003M | 3-m |
| EFE083-005M | 5-m | EFE088-005M | 5-m |
| EFE083-010M | 10-m | EFE088-010M | 10-m |
| EFE083-015M | 15-m | EFE088-015M | 15-m |
| EFE083-020M | 20-m | EFE088-020M | 20-m |
| FC/SC CONNECTORS | | - | |
| EFE084-001M | 1-m | - | - |
| EFE084-002M | 2-m | - | - |
| EFE084-003M | 3-m | - | - |
| EFE084-005M | 5-m | - | - |
| EFE084-010M | 10-m | - | - |
| EFE084-015M | 15-m | - | - |
| EFE084-020M | 20-m | - | - |



DISCLAIMER/TRADEMARKS/NOTES

DISCLAIMER

Black Box Corporation shall not be liable for damages of any kind, including, but not limited to, punitive, consequential or cost of cover damages, resulting from any errors in the product information or specifications set forth in this document and Black Box Corporation may revise this document at any time without notice.

NOTES

ABOUT BLACK BOX

Black Box is a world leading technology solutions provider specializing in complete high-performance KVM, professional A/V signal distribution and extension and switching solutions for mission-critical applications. Black Box is dedicated to delivering superior project engineering, technical support, and 24/7 customer service you can rely on for your most critical operations.

Every day, our customers trust us to design, integrate, and maintain reliable control room solutions for broadcasting, post-production, stadiums & arenas, medical, air traffic control, oil & gas, government & military, and utility industries. Leave the tech to us and our comprehensive technology solutions will deliver secure connections, fast-response times, real-time collaboration, and more.

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