



RLH Industries, Inc.

STANDARDS AND COMPLIANCE

The leader in
rugged fiber optic
technology.

✓ Unconditional
Lifetime Warranty

2011B-0304

Fiber Optic Assemblies and Patch Cords

COMPLIANCE AND STANDARDS INFORMATION

RLH Fiber Optic cable assemblies and patch cords are manufactured with processes and materials to meet the following standards and specifications as applicable.



Manufacturing processes certifications

ISO 9001:2008 Quality Management Requirements

- Certification Number UKQ1009037RO
- Obtained 09/16/2010
- Valid until 09/15/2013
- Certifying Organization:
Universal Certification Services

ISO 14001:2004 Environmental Management Standards

Materials compliance

RoHS Directive 2002/95/EC

- Yellow and Orange jacketed Fiber Optic Cable, SC connector
- Test report GZ0611167691/CHEM (Orange), GZ0611167689/CHEM (Yellow), EC40716607 (Connector)
- Tested and approved with reference to IEC 62321Ed. 1 111/54/CDV Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products (Cadmium, Lead, Mercury, Hexavalent Chromium, PBBs and PBDEs)

Performance compliance

100% tested and inspected

- Finish and polishing guidelines per NASA-STD 8739.5 Ref. Appendix A

Patch Cords and assemblies meet:

- IEC, JIS, Telcordia GR-3120 performance requirements
- Bellcore GR-326
- ITU-T G.651
- ITU-T G.652
- TIA/EIA-568C.3
- 1222-2004 IEEE

Macrobend fiber meets:

- IEC 60793-2-10 (ABE & ABT)
- TIA-492AAAD (ABE)
- TIA-492AAAC (ABT)
- TIA-492AAAB (ABX & ABS)

Jumper color codes per TIA-598C

Connectors

Manufactured to meet one or more of the following:

- IEC 61754-15
- IEC 1754-8
- IEC 61754-20
- IEC 61754-13
- IEC-61754-7
- IEC 61754-18
- EC 61754-4
- IEC 61754-2
- EIA/TIA-604-5 (FOCIS 5)

100% insertion loss tested:

- Actual insertion loss test results are provided for each jumper/cable assembly
- SC/ST/LC, 0.25dB average loss
- MT-RJ: 0.25dB average loss
- MT-RJ: 0.35dB average loss
- MTP/MPO: 0.35dB average loss

In general the fiber jumper insertion loss should not exceed 0.75 dB and the return loss should be higher than 20 dB.

Typical insertion repeatability, the difference in insertion loss between one plugging and another, is 0.2 dB.

From a design perspective, it is recommended to use a jumper loss margin of 0.5 dB or refer to the actual supplied value for jumpers and cable assemblies.

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Specifications subject to change without notice.

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