Crossword Puzzles For Fiber Optic Terminology And Basic Facts

This document is a training aid for fiber installers. In addition, it prepares installers for taking the Fiber Optic Association [FOA] Certified Fiber Optic Technician [CFOT] certification examination. This crossword includes the basics of the language of fiber optics and many of the subtleties that one learns from extensive fieldwork.

It is based on Professional Fiber Optic Installation, v.9 [© 2014] and on the latest CFOT certification examination. Professional Fiber Optic Installation, v.9, The Essentials For Success.

Other texts that have answers are:
Mastering The OTDR-Trace Acquisition And Analysis,
Mastering Fiber Optic Connector Installation: A Guide To Low Loss, Low Cost, And High Reliability.

To receive a .pdf with the answers, send an email to the address above. Put “Crossword 2015 Answers” in the subject.

Have fun.

Best Regards,

Eric R. Pearson, CFOS/C/T/S/I
President

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Across
2. another term for (65 Across) splicing is glass
4. the second type of (65 Across) splicing is _____ alignment

Down
1. the (74 Across) on a ferrule tip has two benefits. One is reduced_____
3. (51 Across) stands for (first word)
Across
8. if the (45 Across) of a properly installed connector is not (48 Across), part of the (45 Across) is _____ the surface of the ferrule
9. the ferrule surface of a properly installed connector is
10. a name of a popular connector that requires no polishing is
12. a connector that requires no (6 Down) has a pre-installed
13. all (32 Across) splices contain an _____ _____ (second word)
15. LO connectors have the color
18. a heat shrink (87 Down) has a ____ ____ (second word)
20. when installing connectors on a patch cord, the strength members are attached to the ____ of the connector
21. the (44 Down) is created by two
24. creating a (9 Down) fiber requires ______ ______ (second word)
27. connectors are used for _____ connections
29. connectors have consistent power loss from insertion to insertion because of the
31. when properly installed, connectors do not exceed their _____ loss
32. the second type of splicing is _____
36. one type of (65 Across) splicing is ____ _____ (second word)
38. all (32 Across) splices contain an ____ ____ ____ (first word)
39. most fiber optic connectors have one fiber and are called
45. one type of (65 Across) splicing is ____ alignment
46. one connector installation method uses a ____ adhesive (second word)
47. in both connector installation and splicing, the fiber must be ____ and ____ (first word)
48. a properly installed connector (45 Across) is
50. one connector installation method uses a ____ adhesive (first word)
52. a heat shrink (87 Down) has a ____ ____ (first word)
53. one type of (65 Across) splicing is ____ alignment
54. when not in use, a connector should have its ______ installed
55. a properly installed connector has a ____ (72 Across)
59. connectors exhibit loss when in a
62. a properly installed connector core is ____ with the ferrule
63. early connector (6 Down) was performed on a flat ____

Down
5. another of the characteristics of a properly installed connector (72 Across) is
6. the (94 Across) supports the (81 Down) during _____
7. a short length of buffer tube with a connector on one end is a____
8. if not the colors (15 Across) or (20 Down), the multimode connector color is ____
9. the cladding of a properly installed connector is ______
11. when installing connectors on a patch cord, the strength members are attached to the (20 Across) of the connector by a ____ ____ (first word)
14. creating a (9 Down) fiber requires ______ ______ (first word)
16. the acronym for a (25 Down) connector is
17. the (54 Across) keeps ____ off the tip.
19. most (65 Across) splicers display an ____ of the splice loss
20. if not LO, connectors for this same core diameter have the color _____
21. (51 Down) stands for (third word)
22. when installing connectors on a patch cord, the strength members are attached to the (20 Across) of the connector by a ____ ____ (first word)
25. the connector color that has no reflectance is _____
26. splices are used for ____ connections
28. the (89 Across) controls the fiber ____ ____ (second word)
30. the first word of (76 Down) is
33. connectors with two fibers are ____
34. (6 Down) is done with multiple
35. the ____ of the connectors aligns the fibers
37. in both connector installation and splicing, the fiber must be ____ and ____ (first word)
40. most (6 Down) is done on ____
41. (93 Across) splicing aligns singlemode fiber ____
42. loss loss splices require fiber ends that are _____ and _____ (second word)
43. current connectors make _____
44. (65 Across) splicing is performed by an electrical
47. the first of the (64 Down) ways to inspect a connector is with _____
49. all (32 Across) splices contain an ____ ____ ____ (third word)
51. the second type of (65 Across) splicing is ____ (acronym)
52. if (40 Down) are not used in (6 Down) the step is called ____ (6 Down)
56. (32 Across) splicing aligns singlemode fiber ___
Across
65. the first type of splicing is _____
67. when properly installed, connectors exhibit _____ loss
68. (32 Across) splicing aligns the fiber _____
70. there are ___ types of (65 Across) splicing
72. the loss of a connector is determined mostly by the condition of the _____
74. today’s connectors have a _____ on the tip of the ferrule
77. the unit of measure of splice (66 Down) is _____
79. a common connector type
80. whenever possible, the installer should inspect connectors with a microscope in ___ ways
82. connectors with a (65 Down) ferrule tip have high _____
84. there are ___ types of splicing.
85. if not (25 Down), (69 Down) connectors have the color _____
86. the splice is placed in a splice holder with the (18 Across) _____
88. according to the standards, there are _____ connector colors
89. the installer installs a _____ on the (20 Across) of all connectors
90. (51 Down) stands for (second word)
91. active splicing aligns the (45 Across) fiber _____
92. a common, push on, pull off, connector type
93. one type of (65 Across) splicing is _____
94. (73 Down) and (50 Across) (46 Across) installation methods leave a _____ on the ferrule tip

Down
57. another of the characteristics of properly installed core is
58. low loss splices require fiber ends that are _____ and _____ (first word)
60. the (45 Across) of a properly installed connector has ____ characteristics
61. the third word of (76 Down) is
64. there are ____ types of (65 Across) splicing.
65. the first connectors had a _____ ferrule tip
66. the (28 Down) on a ferrule tip has two benefits.
The second is reduced ______
69. (16 Down) connectors are for ___ fibers
71. the second of the (70 Across) ways to inspect a connector is _____ (47 Down)
72. connectors serve to align the _____ of the fibers
73. the earliest connectors used _____ to retain the fiber
75. the second word of (76 Down) is
76. current small connector types are (acronym)
78. an early fiber optic telephone connector type
79. an early type of fiber optic data connector
81. the (94 Across) supports the _____
83. a popular (76 Down) connector type
87. fusion splices are protected in a _____
89. the (89 Across) controls the fiber _____ _____ (first word)