

**PEARSON TECHNOLOGIES**  
I N C O R P O R A T E D

4671 Hickory Bend Drive Acworth, GA 30102 USA 011 (770) 490-9991  
fiberguru@ptnowire.com www.ptnowire.com

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## **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.

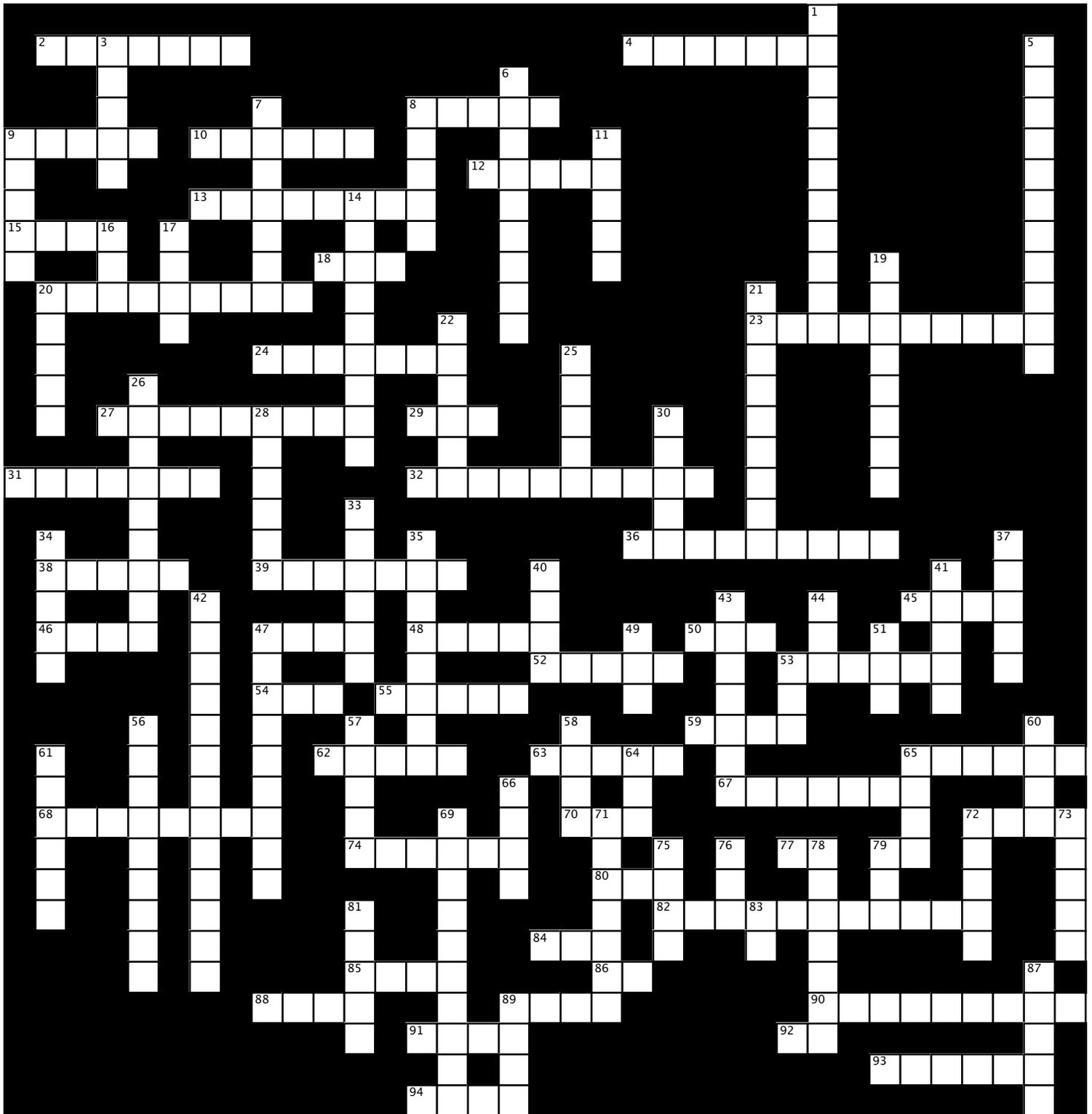
Best Regards,



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

# Connectors & Splices

PROFESSIONAL FIBER OPTIC INSTALLATION, V.9  
Chapters 5, 6, 12, 13, 20-25 (© Pearson Technologies Inc.)



## 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
23. 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 \_\_\_\_\_ \_\_\_\_\_ (second 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 \_\_\_\_\_ (second 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)
53. 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)