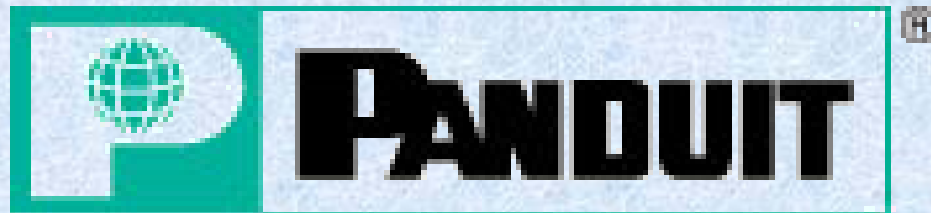


Panduit Certified Installer



Fiber Certification Review



2 What does the cleave tool do?

- A. Breaks the glass cleanly
- B. Cuts the glass cleanly
- ✓ C. Scores the glass cleanly
- D. Shatters the glass cleanly

0%



Response Grid

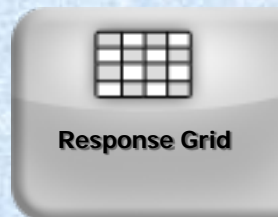
³ Which of the following describes Panduit's concerns for requiring cabling technicians to complete this training?

A. Best practices are utilized for installing optical fiber cabling **0%**

B. Installers have an understanding of industry standards

C. Cabling is installed in a neat and workmanlike manner

 D. All of the above



4 Which type of optical fiber has a core diameter of approximately 9 μm ?

A. Multimode

B. OM 3

0%

✓ C. Single Mode

D. Interconnect



Response Grid

5 What should be done first when terminating an optical fiber connector?

A. Cleave the glass

0%

B. Polish the end face of the connector

✓ C. Slide the connector boot onto the fiber

D. All of the above



Response Grid

6 Determining the Pathway and Laying the Cable are the two main stages of installing a fiber cabling system.

A. True

B. False

0%



Response Grid

True False

7 How much buffer should be stripped at one time when using a strip tool?

- ✓ A. 0.25 inch
- B. 0.50 inch
- C. 1 inch
- D. 2 inches

0%



Response Grid

8 When installing optical fiber cabling, the strength member should be removed and the glass strands are wrapped around a pull rope for the cable to be pulled through the pathway.

A. True

B. False

0%



Response Grid

True False

9 Which TIA standard defines the administration standard for the telecommunications infrastructure of commercial buildings?

A. TIA 568-B.2

B. TIA 568-B.3

C. TIA 569

✓ D. TIA 606

0%



Response Grid

¹⁰Panduit OptiCam connectors can be re-terminated twice.

A. True

B. False

0%



Response Grid

True False

11 Effective cable management allows for quick and easy moves, adds, and changes. Which of the following are benefits of effective cable management?

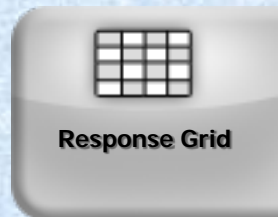
A. Protects cables from crushing and pinching

0%

B. Provides aesthetically pleasing appearance

C. Assures bend radius control for the cables

✓ D. All of the above



12 Cables should be pushed through a pathway if it cannot be laid in a cable tray.

A. True

 B. False

0%



Response Grid

True False

13 What are the two common core diameters for multimode fiber?

A. 9 μm /50 μm

✓ B. 50 μm /62.5 μm

C. 9 μm /62.5 μm

D. 9 μm /125 μm

0%



Response Grid

14 Which of the following must be considered when establishing a loss budget for testing optical fiber cabling installations?

A. Number of connectors

B. Number and type of splices

C. Cable attenuation coefficient

✓ D. All of the above

0%



Response Grid

15 When polishing optical fiber connectors with a puck on a polishing pad, the puck should be moved in a "figure 8" motion to assure even pressure on the glass.

A. True

B. False

0%



Response Grid

True False

1650 um fiber has become more popular in recent years because it works better with _____ light sources.

- ✓ A. LED
- B. VCSEL
- C. Laser
- D. Infrared

0%



Response Grid

17 What tool is used to assure the field fiber is properly mated in a pre-terminated fiber connector?

A. Strip tool

B. Cleave tool

✓ C. Visual Fault Locator (VFL)

D. 5 um polishing film

0%



Response Grid

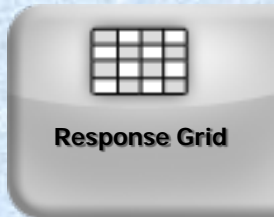
18 What is the first stage of polishing when terminating Standard Field Polish connectors?

✓ A. Air polishing

B. Polish with 1 um diamond polishing film 0%

C. Polish with wet 5 um polishing film

D. Polish with dry 5 um polishing film



19 Which of the following safety precautions must be observed when terminating optical fiber connectors?

- A. Wear safety glasses
- B. Dispose of scrap pieces of glass in an appropriate manner
- C. There should be no food or drinks in the termination area
- ✓ D. All of the above

0%



Response Grid

20 _____ fiber optic cables are 50/125 um fibers that are manufactured with a special process that allows the cable to perform better for transmitting 10 Gigabit Ethernet signals for up to 300 meters.

A. OM1

B. OM2

✓ C. OM3

D. OS1

0%



Response Grid

21 If pulling cable in stages, cable slack should be...

✓ A. Piled in a figure 8 pattern

B. Laid in a cable tray

C. Be attached to a pull string

D. All of the above

0%



Response Grid

22 What is the maximum pulling tension for installing optical fiber cable?

A. 25 lb/ft

0%

B. 100 lb/ft

✓ C. Consult cable manufacturer recommendation

D. 500 lb/ft



Response Grid

23 Backbone cables should be labeled to identify the location of where the cable is terminated at each end.

✓ A. True

B. False

0%



Response Grid

24 What type of Isopropyl Alcohol does Panduit recommend be used for cleaning during optical fiber termination?

A. 50% Alcohol

B. 70% Alcohol

✓ C. 90% Alcohol

D. 120% Alcohol

0%



Response Grid

25 Typically multimode cable have an _____ outer jacket and the connector bodies are colored _____.

A. Blue, Ivory

✓ B. Orange, Ivory

0%

C. Yellow, Blue

D. Red, Blue

E. Aqua, Ivory



Response Grid

<input type="checkbox"/> Blue, Ivory	<input checked="" type="checkbox"/> Orange, Iv...	<input type="checkbox"/> Yellow, Blue
<input type="checkbox"/> Red, Blue	<input type="checkbox"/> Agua, Ivory	

26 What is the first thing you should do when testing fails?

A. Check if the connector was properly polished

0%

B. Remove the connector from the FAP and inspect it with a microscope

✓ C. Make sure the transmit at one end goes to the receive at the other end

D. All of the above



Response Grid

27 When using field test equipment, a reference measurement must be established and recorded before testing any cabling links.

✓ A. True

B. False

0%



Response Grid

28 Interconnect cabling is usually two strand fibers in either a simplex, duplex or _____ cable configuration.

✓ A. Zipcord

B. Ripcord

C. Buffered

D. Unbuffered

0%



Response Grid

29 A Small Form Factor optical fiber connector terminates two strands of fiber in the same footprint as an RJ45 copper connector.

- ✓ A. True
- B. False

0%



Response Grid

30 What type of optical fiber splicing requires a special machine that melts the ends of two fiber strands to form one solid strand?

A. Mechanical splice

✓ B. Fusion splice

0%

C. Butt splice

D. Tap splice



Response Grid

31 How much fiber slack is required when terminating optical fiber at a faceplate or inside of a fiber optic enclosure?

A. 1 foot

B. 1 meter

0%

C. 3 meters

D. 5 meters



Response Grid

32 What are the two fundamental organizations that develop the cabling standards that are implemented worldwide?

A. ISO and NEC

B. TIA and UL

✓ C. ISO and TIA

D. NFPA and CELEC

0%



Response Grid

33 Any industry standard anaerobic adhesive or polishing film may be used when terminating Panduit Standard Field Polish connectors.

A. True

B. False

0%



Response Grid

True False

34 Interconnect cables are used for small count
_____ cabling applications.

A. Vertical

✓ B. Horizontal

0%

C. Backbone

D. Special



Response Grid

35 Fiber backbone cables must be tested in both directions at one wavelength.

A. True

 B. False

0%

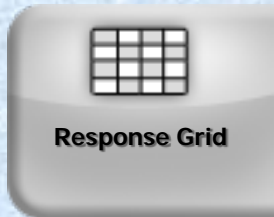


Response Grid

True False

36 What are the two components of the glass in a strand of optical fiber?

- A. Jacket/Strength member 0%
- ✓ B. Core/Cladding
- C. Buffer/Acrylate coating
- D. Acrylate coating/
Strength member



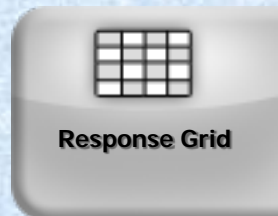
37 How should consumable items be replaced for a Panduit fiber termination kit?

A. Order a new termination kit 0%

B. Order a competitor kit

✓ C. Order a refurbishment kit

D. Items do not need to be replaced



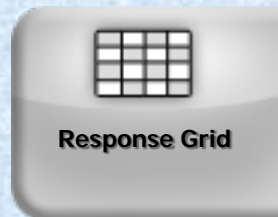
38 What is used to mate fiber terminations and patch cords in faceplates or enclosures?

A. Visual Fault Locator (VFL) 0%

✓ B. Fiber Adapter Panels (FAPs)

C. Cable Ties

D. Duplex Adapters



39 There are two different types of OSP cable, indoor/outdoor and _____.

A. Buffered

B. Unbuffered

✓ C. Loose tube

D. Tight tube

0%



Response Grid

40 How much optical fiber cable slack is recommended for a Telecommunications Room?

A. 1 meter

✓ B. 3 meters

C. 5 meters

D. 10 meters

0%



Response Grid

41 Loose tube OSP fiber optic cable typically must be terminated within _____ meters of entering the building, unless it is routed in conduit.

A. 8

B. 10

C. 15

D. 20

E. 50

0%



Response Grid

42 What type of optical fiber cable should be installed for intra-building backbone cabling?

- A. Interconnect Cable
- B. Outside Plant Cable
- ✓ C. Distribution Cable
- D. Loose Tube Cable

0%



Response Grid

43 Extra slack must be provided when terminating optical fiber cabling.

✓ A. True

B. False

0%



Response Grid

True False

44 Which TIA standard defines the requirements for optical fiber cabling installations for commercial office buildings?

A. TIA 568-B.2

B. TIA 568-B.3

0%

C. TIA 569-A

D. TIA 607-A



Response Grid

45 Cable slack cannot be stored in an enclosure.

A. True

 B. False

0%



Response Grid

True False

46 Match each cable to its correct type.

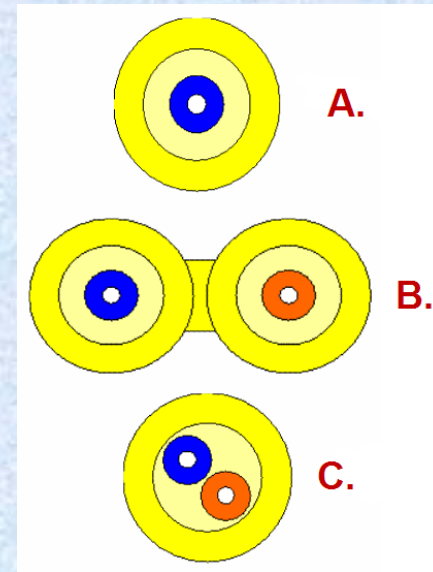
1. Duplex
2. Simplex
3. Zipcord
4. Buffered

A. A-2, B-1, C-4

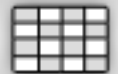
B. A-2, B-1, C-3

✓ C. A-2, B-3, C-1

D. A-1, B-2, C-3



0%



Response Grid

47 The Aramid Yarn should be secured to provide strain relief for fiber cable entering an enclosure if no other means of strain relief is provided.

- ✓ A. True
- B. False

0%



Response Grid

48 Which of the following types of connectors are manufactured by Panduit?

A. Standard Field Polish

B. Opti-Crimp

C. OptiCam

✓ D. All of the above

0%



Response Grid

49 The outside diameter for the cladding for both single mode and multimode optical fiber is 125 μm .

A. True

B. False

0%



Response Grid

True False

50 What tool is used for terminating OptiCam connectors?

A. FCRP5Crimp Tool

0%

✓ B. OptiCam Terminations Tool (OCCT)

C. FVFLKIT

D. FPAD polishing pad



Response Grid

51 A pathway initially needing to service 10 work areas should be sized to accommodate _____ cables.

A. 10

B. 20

C. 25

 D. 30

E. 40

F. 50

