

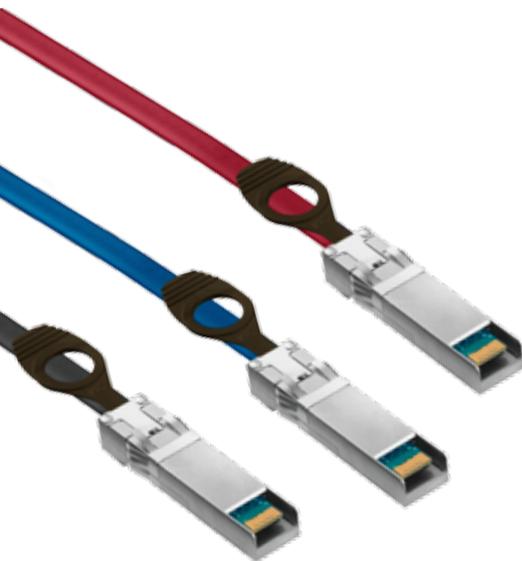
3M™ Cable Assemblies for SFP+ Applications, Red or Blue Jacketed Versions

Red- or blue-colored assemblies are designed to provide port traceability for management of redundant network equipment in high-performance computing.

The 3M Cable Assembly for SFP+ Applications is a passive copper cable assembly that utilizes 3M™ Twin Axial Cable technology to create a highly-flexible, foldable, high-performance solution, with up to 10 Gbps for storage, networking, high-performance computing and data center applications.

Key Features and Benefits

- Available in highly-flexible flat cable configurations
- Designed to be compatible with standard SFP+ Interface
 - SFF-8431 and SFF-8432
 - 10 Gigabit-Ethernet
- Foldable and bendable with minimal performance impact
- Very small bend radius to allow efficient routing in tight spaces
- Excellent crosstalk and insertion loss performance - achieves 5 meter length with 30 AWG
- EEPROM for cable information and/or customer signature
- PVC jacket
- Improved EMI shielding by using spring metal strap on cable backshell
- Configurable pull tab (on top or bottom of the cable)
- Also available in standard black cable jacket

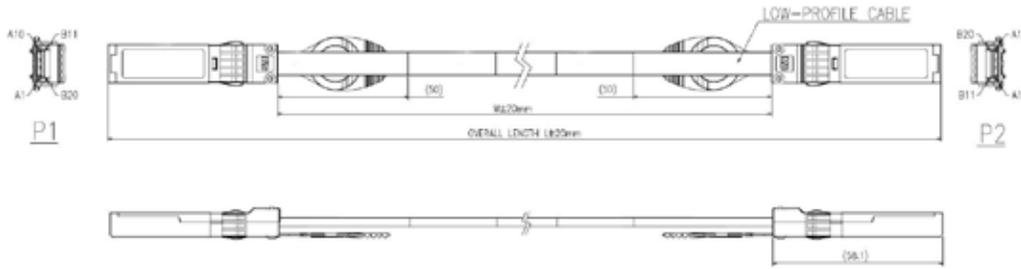


Product Information

Specifications	Product Data Specifications	PD-0114
	Signal Integrity Data	Available upon request
Materials	Cable Type	2 twin axial pairs w/ copper foil EMI shield
	Cable Jacket	PVC; Color: Red or Blue
	Cable Flammability Rating	UL VW-1 (PVC)
	Backshell	Diecast zinc – Cu underplate w/ Ni overplate
	EMI Girdle	Stainless steel
Electrical	Impedance (cable)	100Ω +/- 5Ω
	Withstanding Voltage	300V DC
Environmental	Temperature Range	-30°C to +85°C (UL qualified)



3M™ Cable Assemblies for SFP+ Applications, Red or Blue Jacketed Versions



Ordering Information

The following parts configurations are available on customer drawing 78-5100-2649-1. Please reference this drawing for additional details and availability.

3M P/N	Cable Color	Cable Length (Meters) "M"	Total Length (Meters) "M"	3M P/N	Cable Color	Cable Length (Meters) "M"	Total Length (Meters) "M"
1412-P20-06-1.00	Red	0.884	1.0	1412-P21-06-1.00	Blue	0.884	1.0
1412-P20-06-1.50	Red	1.384	1.5	1412-P21-06-1.50	Blue	1.384	1.5
1412-P20-06-2.00	Red	1.884	2.0	1412-P21-06-2.00	Blue	1.884	2.0
1412-P20-06-2.50	Red	2.384	2.5	1412-P21-06-2.50	Blue	2.384	2.5
1412-P20-06-3.00	Red	2.884	3.0	1412-P21-06-3.00	Blue	2.884	3.0
1412-P20-06-3.50	Red	3.384	3.5	1412-P21-06-3.50	Blue	3.384	3.5
1412-P20-06-4.00	Red	3.884	4.0	1412-P21-06-4.00	Blue	3.884	4.0
1412-P20-06-5.00	Red	4.884	5.0	1412-P21-06-5.00	Blue	4.884	5.0

3M is a trademark of 3M Company.

Unless otherwise noted, references to industry specifications are intended to indicate substantial compliance to the material elements of the specification. Such references should not be construed as a guarantee of compliance to all requirements in a given specification.

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any direct, indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



Electronics Materials Solutions Division
Interconnect Products
6801 River Place Blvd.
Austin, TX 78726-9000
800 225 5373
www.3Mconnectors.com

Please recycle. Printed in USA.
© 3M 2015. All rights reserved.
80-4000-7040-7