SUMITOMO RECOMMENDED PROCEDURE

SRP SP-F02-058

FreeForm Ribbon® 12, 24 & 48 Fiber Ruggedized Plenum Cord Preparation

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1.0 General

This procedure describes the standard techniques for preparing FreeForm Ribbon® Ruggedized Plenum cord cable for placing and use in splice or termination shelves. This product is designed to accommodate up to four 12 fiber ribbons. One strand of Kevlar provides tensile strength. All of this is covered by a plenum rated polyvinyl chloride jacket.

2.0 Safety Precautions

2.1 The use of safety equipment is strongly recommended during the cable preparation procedure. This includes the use of protective clothing and eyewear.

2.2 To protect the hands, gloves are recommended when handling the fiberglass strength elements.

3.0 Reference Documents

SP-F02-045 FreeForm Ribbon® Matrix Removal Procedure

4.0 Tools Required

The following tools and materials are required to complete this procedure.

1. Electrician's Scissors
2. Marking Pen
3. Gloves
4. Safety Glasses
5. Jonard MS-26 & MS-6 Slitter Tool

5.0 Cord Preparation

5.1 Using the Jonard MS-26 or MS-6 Slitter Tool, select correct cutting size for both outer & inner cord OD's. Carefully, make a longitudinal cut on each cord leaving the appropriate fiber length needed for the particular application.

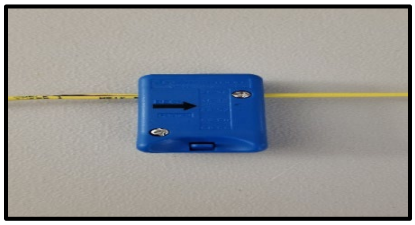


Figure 1

5.2 Carefully peel the sheath away and trim excess jacket off and Kevlar to expose the optical fiber ribbons.

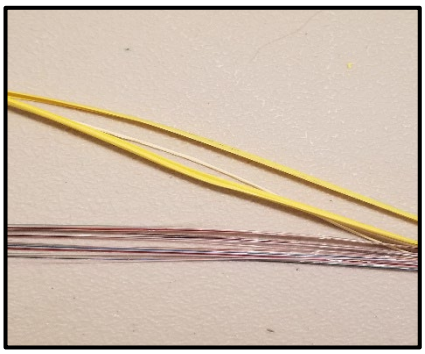


Figure 2

6.0 Fiber Unit Identification

6.1 Each ribbon contains individually color coded fibers that are held together by a pliable matrix encapsulate. Each ribbon has a unique marking code to provide unit identification.

FIBER COLOR CODE

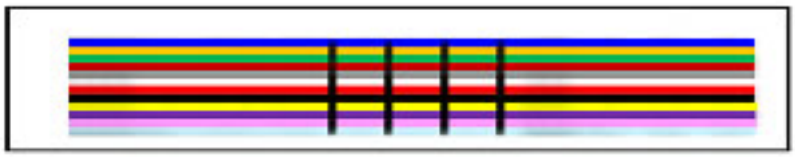
FIBER #	COLOR
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

6.2 To access individual fibers within a ribbon, please refer to Sumitomo Recommended Procedure SP-F02-045 FreeForm Ribbon Matrix Removal Procedure. See ribbon marking codes in **Table 1** on page 3.

RIBBON MARKING	
RIB #	MARKING
1	1 bar
2	2 bars
3	3 bars
4	4 bars

Table 1

Marking Pattern
1
Bar



The Above Designates Ribbon #4 (4 Bars)