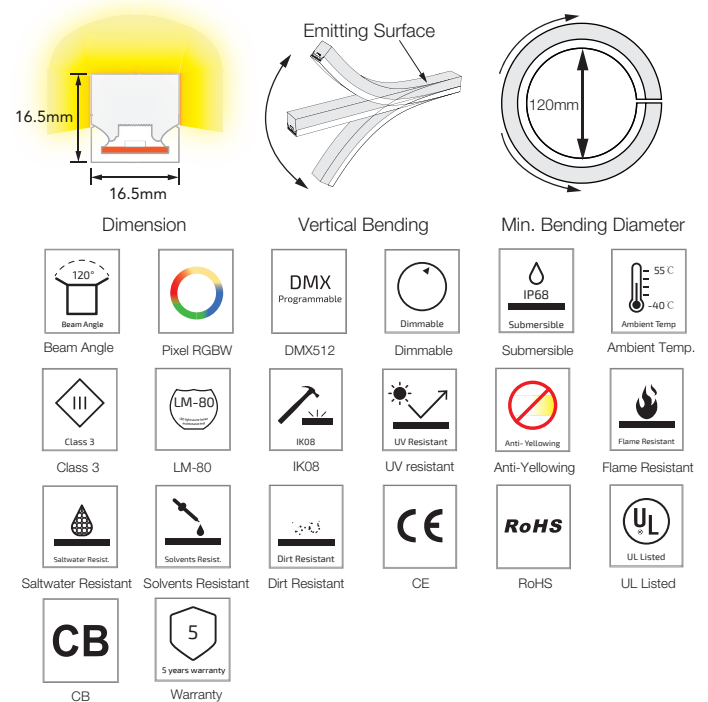
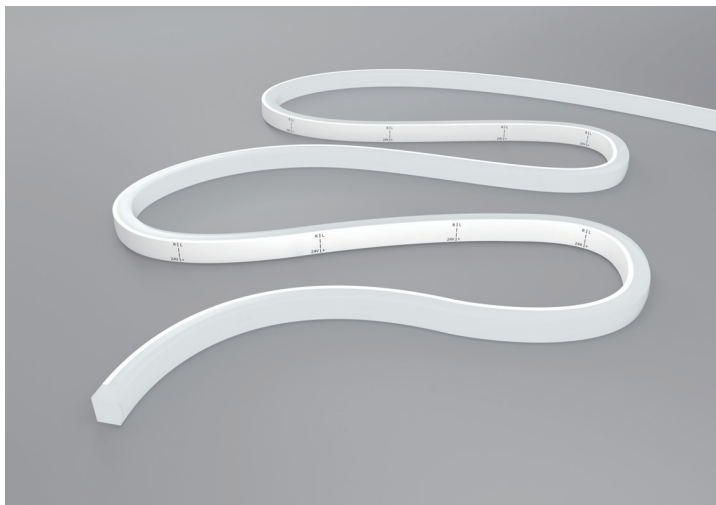


# SF18 DMX Pixel Chasing RGBW Silicone LED Linear Flex

## SF18-24V-5050-70-DMX4-RGBW

### Specification



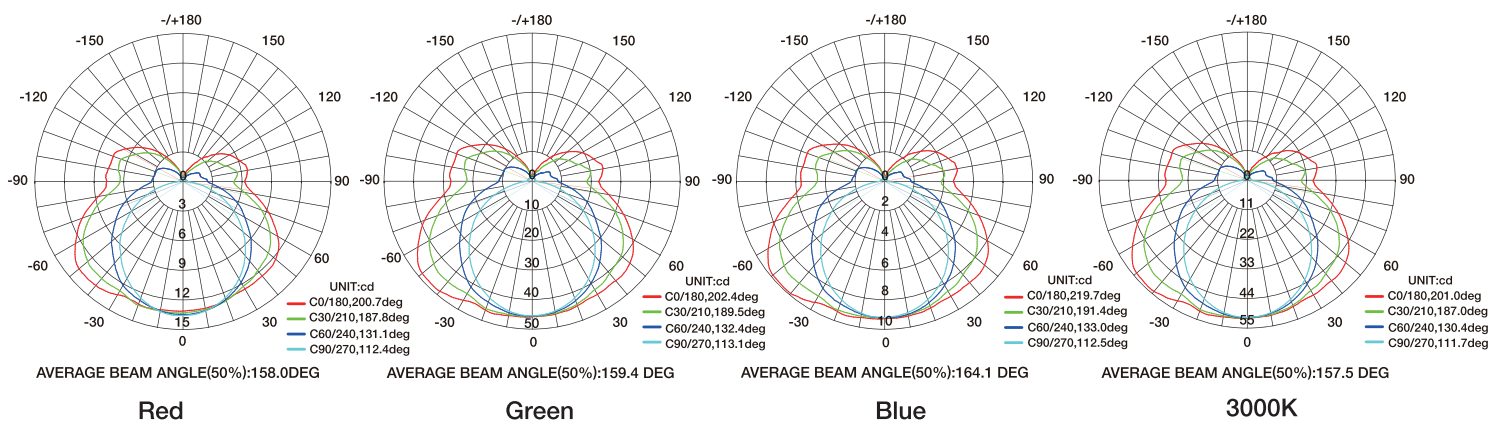
### Technical Parameters

| Electrical            |                                                    |
|-----------------------|----------------------------------------------------|
| Input Voltage         | 24V DC                                             |
| Power Consumption     | 18W/m                                              |
| Physical              |                                                    |
| LED Count             | 70 LEDs/m                                          |
| Cutting Unit          | 7 LEDs                                             |
| Cutting Unit Length   | 100mm                                              |
| Minimum Bend Diameter | 120mm                                              |
| Output                |                                                    |
| LED Light             | Epistar SMD LED 5050                               |
| Color                 | RGBW (2700K/3000K/4000K/5000K)                     |
| Working Mode          | DMX (RS485)                                        |
| Pixels Quantity       | 10 Pixels/m                                        |
| IC Chips              | UCS512                                             |
| Max Run Length*       |                                                    |
| Single Feed           | 8M                                                 |
| Double Feed           | 16 M                                               |
| Beam Angle            | 210°                                               |
| Lumen Maintenance     | 70,000 Hours L70 @ 25°C<br>50,000 Hours L70 @ 50°C |

| Emitting Color |            | Lumen Output |
|----------------|------------|--------------|
|                | Red        | 74lm/m       |
|                | Green      | 257lm/m      |
|                | Blue       | 52lm/m       |
|                | RGB(White) | 678lm/m      |
|                | 3000K      | 284lm/m      |

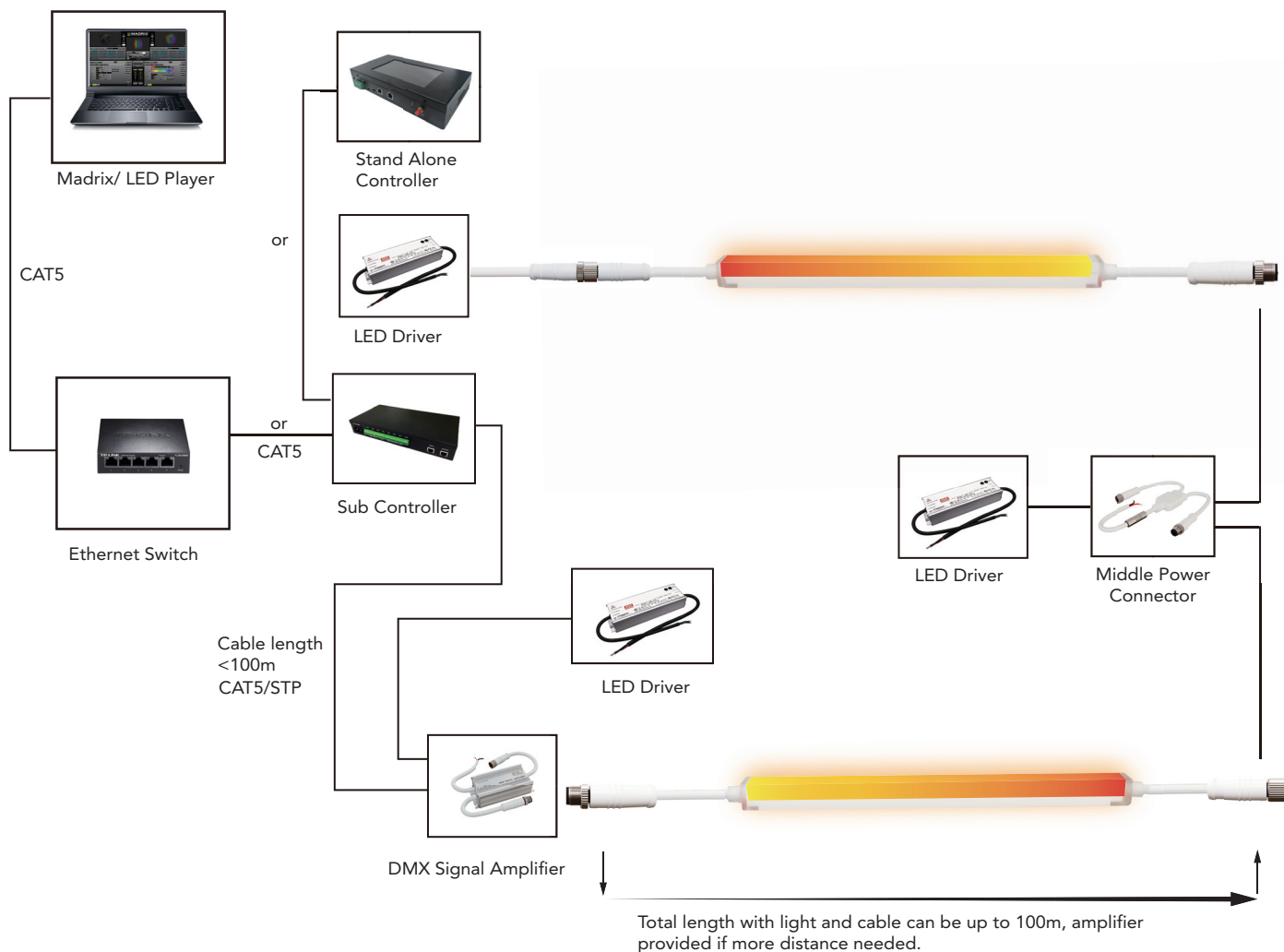
| Temperature Ranges |                                   |
|--------------------|-----------------------------------|
| Installation       | 0°C to 50°C                       |
| Operating          | -40°C to 55°C                     |
| Dependability      |                                   |
| Warranty           | 5 Years Warranty                  |
| IP Rating          | IP68 Wet location submersible <2m |

### Illuminance Distribution



# SF18 DMX Pixel Chasing RGBW Silicone LED Linear Flex

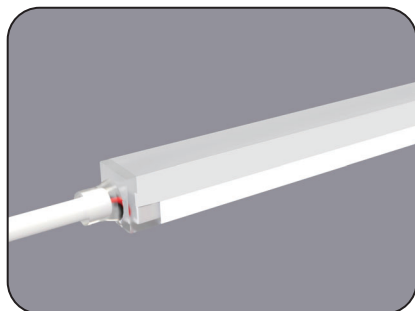
## Connection



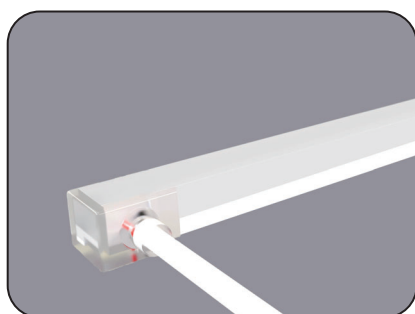
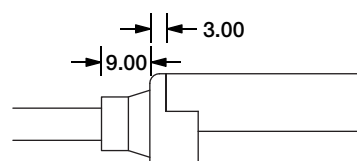
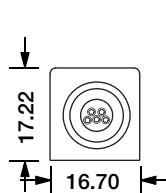
# SF18 Configuration and Accessories

Mold injection Connector

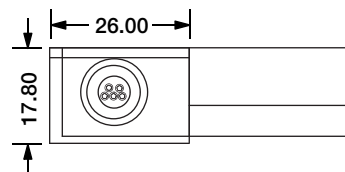
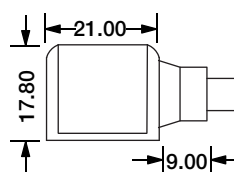
(IP68 Factory Assembly Only)



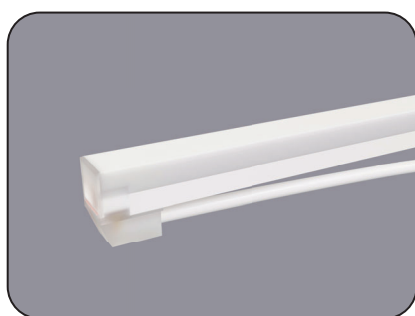
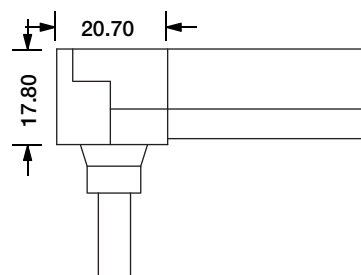
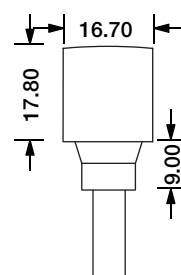
Direct Entry Connector  
MJ-SF18-D5-D02SM  
MJ-SF18-D5-D03SFM



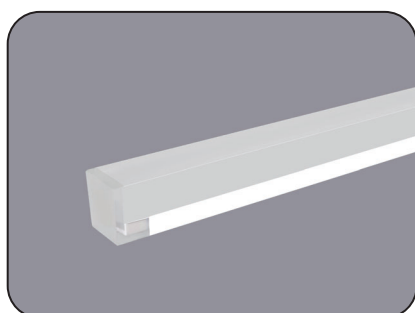
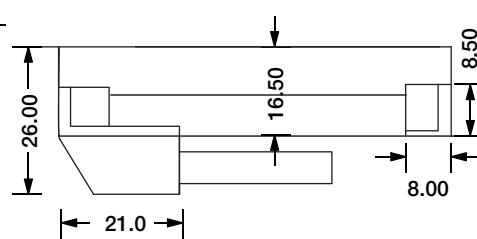
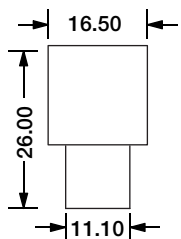
Side Entry Connector  
MJ-SF18-D5-S02SM  
MJ-SF18-D5-S03SFM



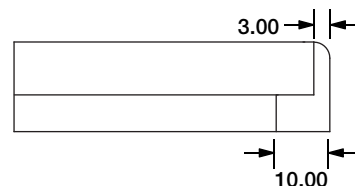
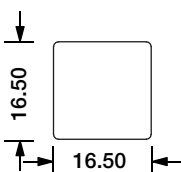
Bottom Entry Connector  
MJ-SF18-D5-B02SM  
MJ-SF18-D5-B03SFM



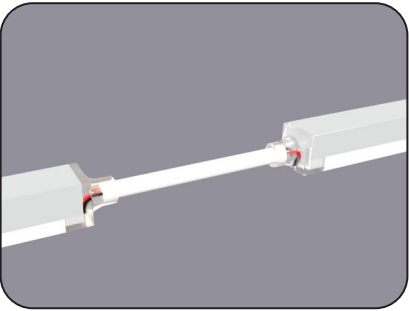
L Shape Entry Connector  
MJ-SF18-D5-L02SM  
MJ-SF18-D5-L03SFM



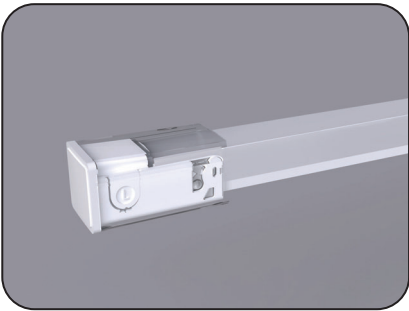
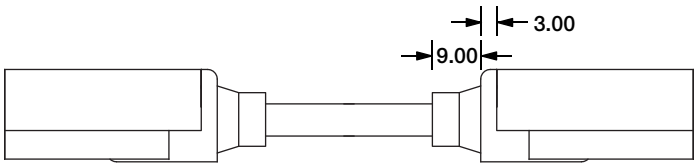
End Cap



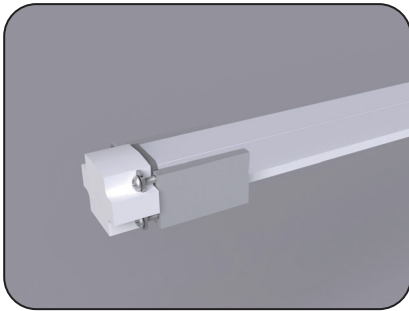
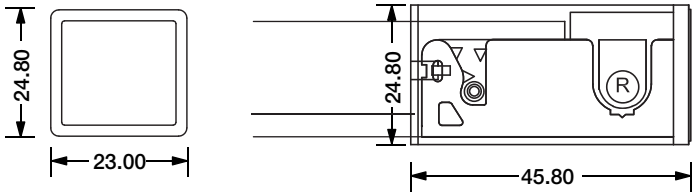
# SF18 Configuration and Accessories



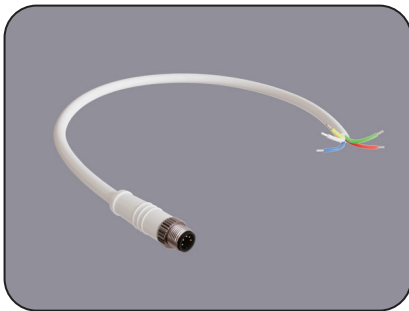
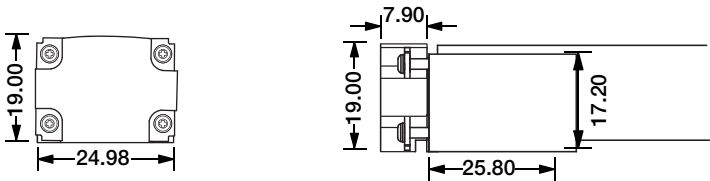
Jumper  
MJ-SF18-D5-D-JC



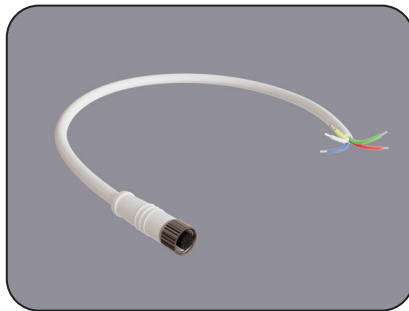
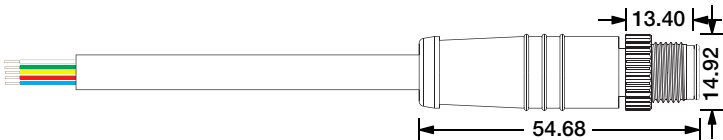
DIY Snap End Cap  
DIY-SN-END-16-D-01/02



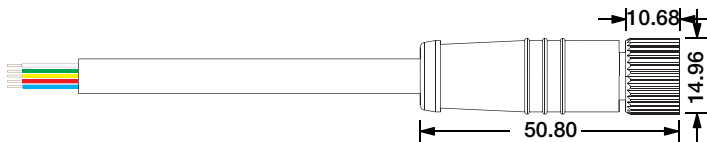
DIY Screw End Cap  
DIY-SC-END-16



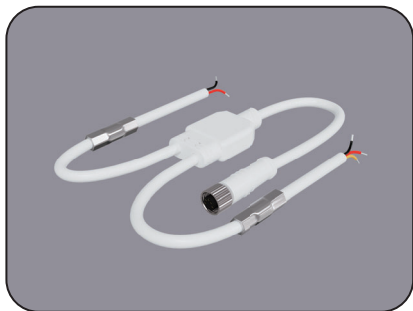
Male Connector  
M12-M-5C-18AWG+24AWG-D6-W-0327-S



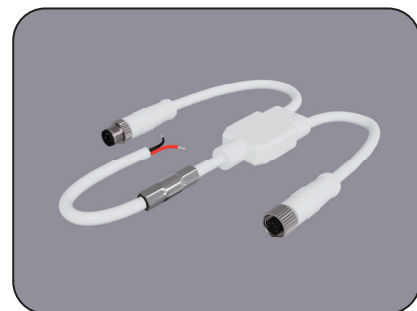
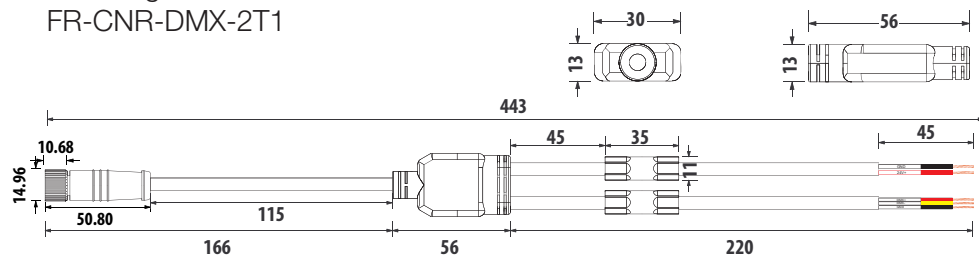
Female Connector  
M12-F-5C-18AWG+24AWG-D6-W-0327-S



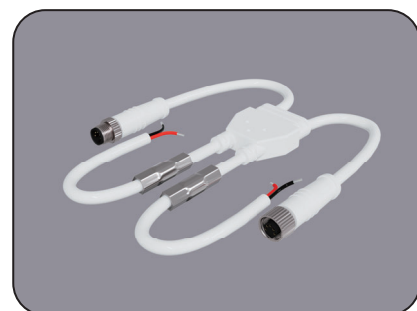
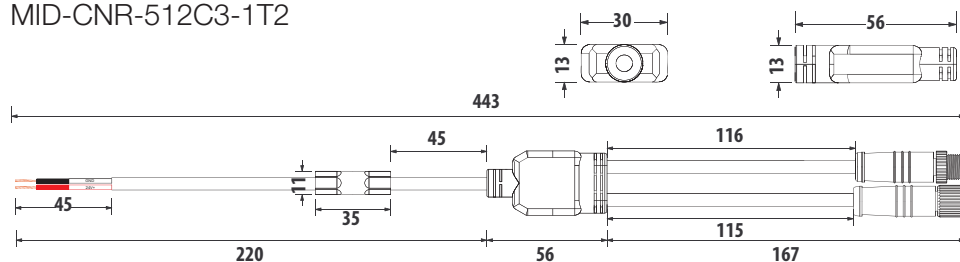
# SF18 Configuration and Accessories



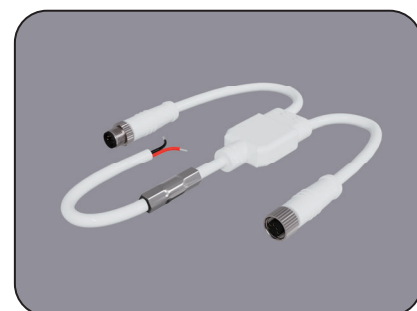
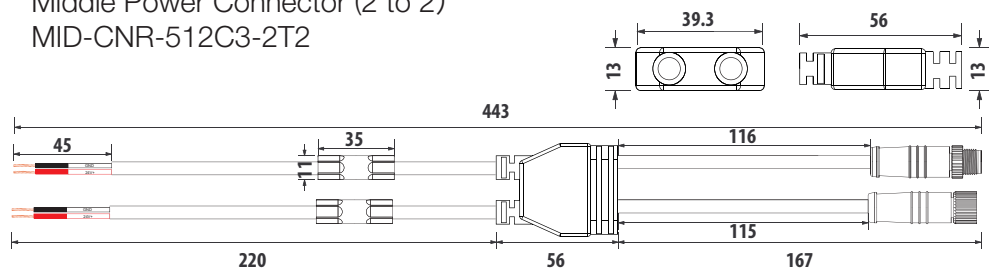
Front Signal & Power Connector  
FR-CNR-DMX-2T1



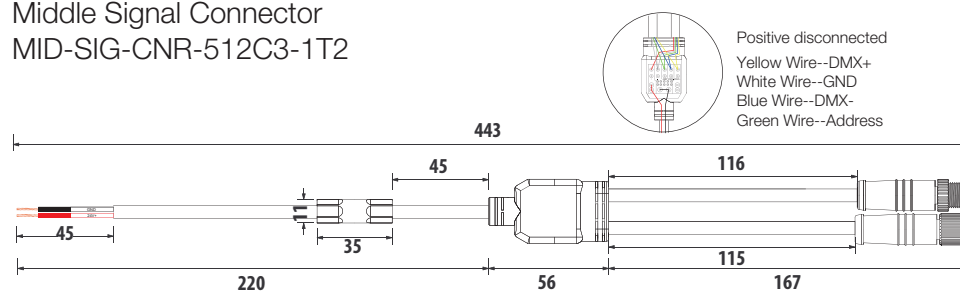
Middle Power Connector (1 to 2)  
MID-CNR-512C3-1T2



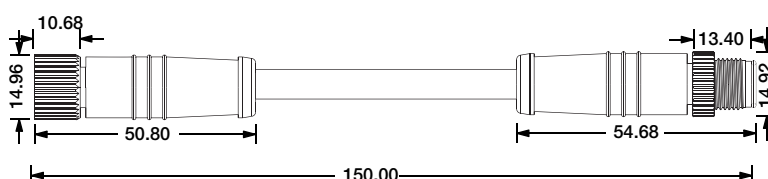
Middle Power Connector (2 to 2)  
MID-CNR-512C3-2T2



Middle Signal Connector  
MID-SIG-CNR-512C3-1T2



Positive Disconnected Connector Cable  
M12-EXT-SIG-5C-20AWG-D6-W-015

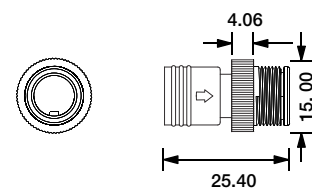


# SF18 Configuration and Accessories

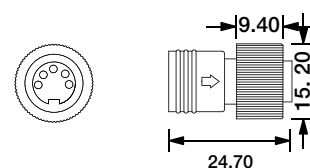
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Male Connector End Cap  
SYZ-EC-M12-M

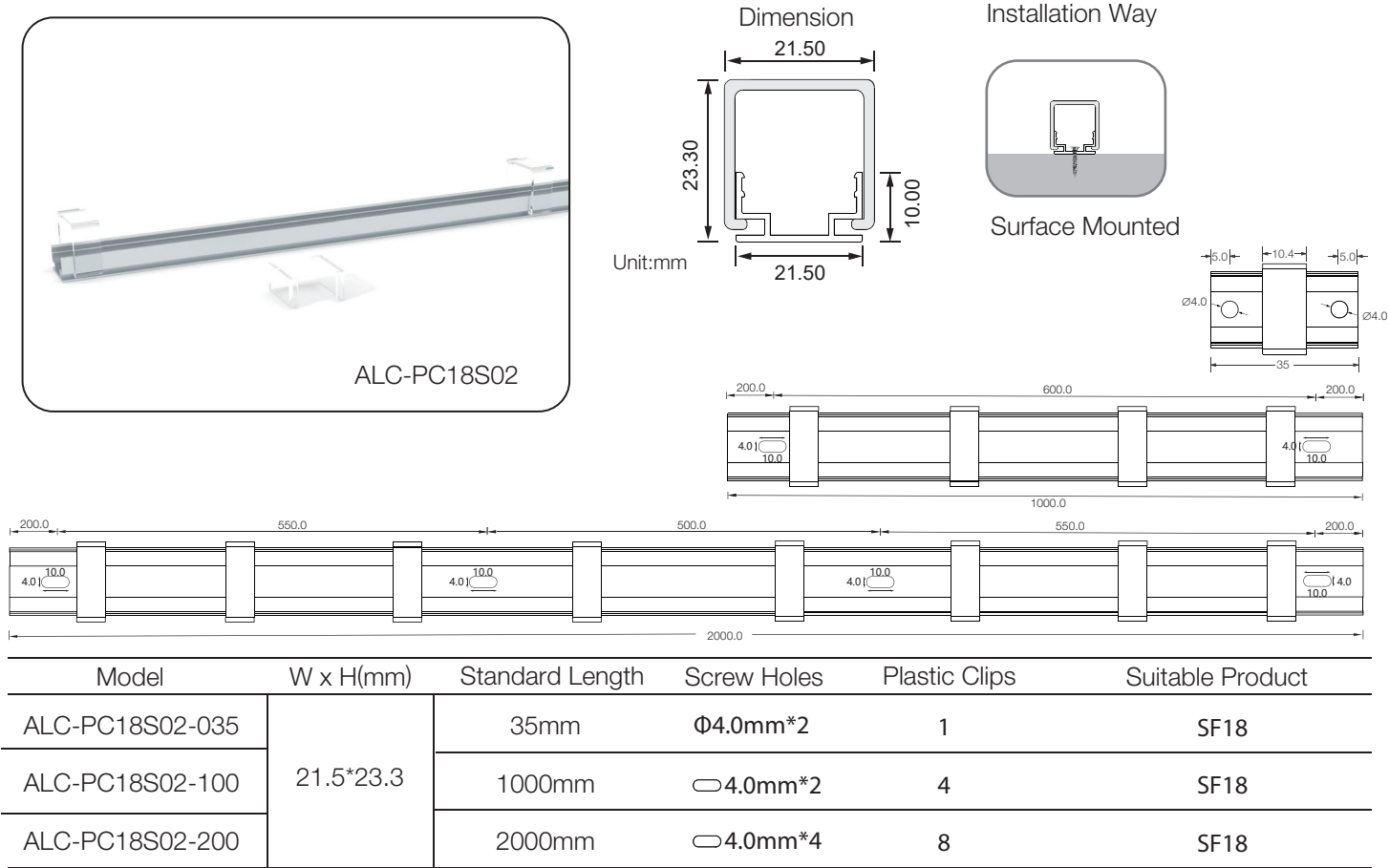


Female Connector End Cap  
SYZ-EC-M12-F-5C

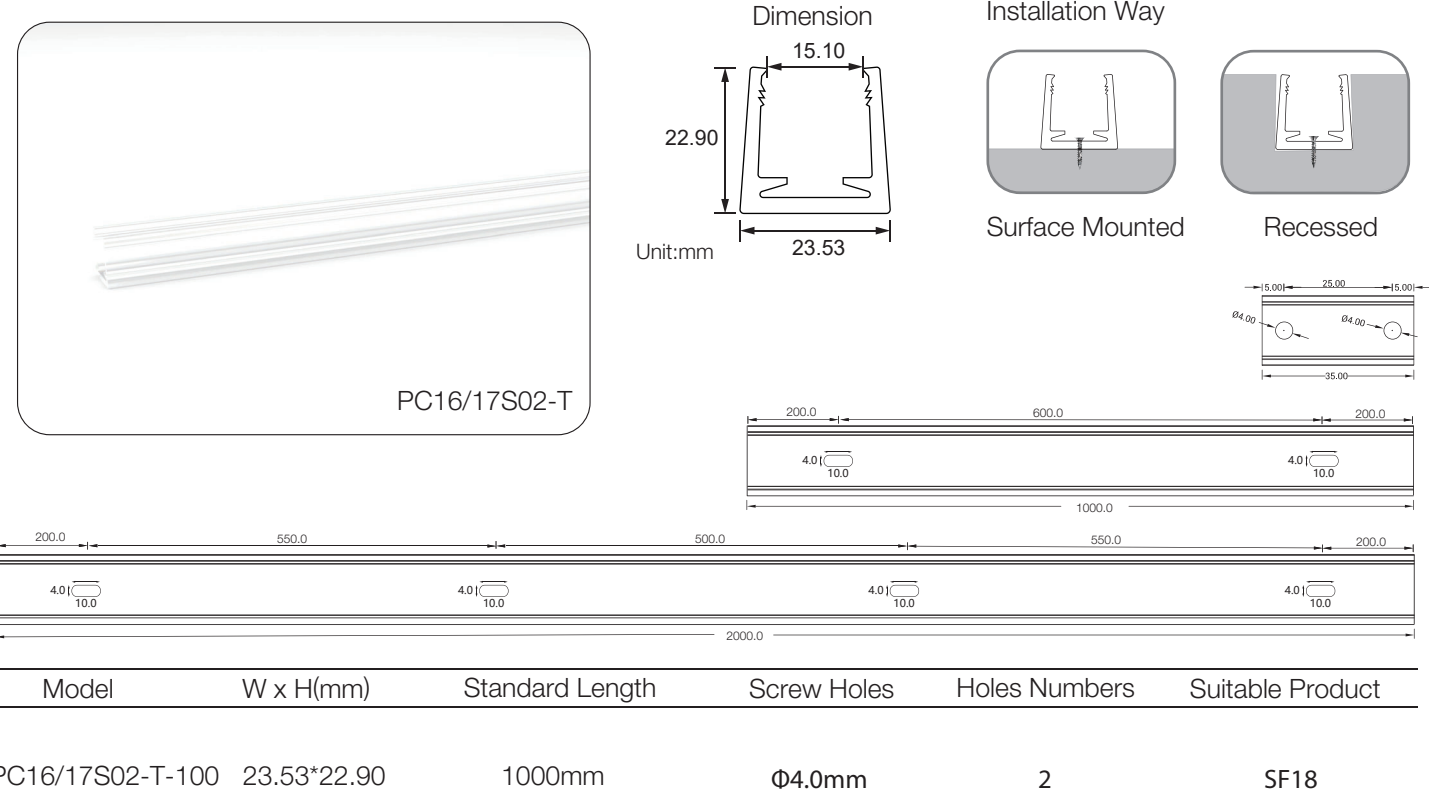


# LED Linear Flex Mounting Channel

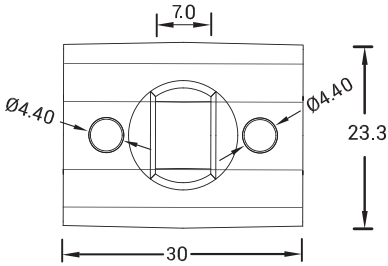
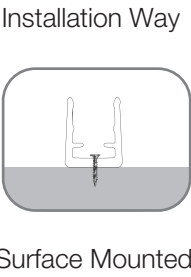
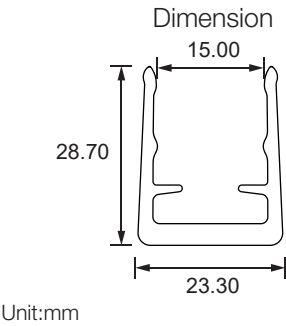
## 1. Aluminum Channel



## 2. Plastic Channel



# LED Linear Flex Mounting Channel



| Model          | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|----------------|-----------|-----------------|-------------|---------------|------------------|
| SJJ-ZSH-008-PC | 23.3*28.7 | 30mm            | Ø4.40mm     | 2             | SF18             |

# Product Packing Details



## Standard : Carton (White Carton+Paper Reel Inside)

| Product  | Max.length/Reel | Carton Size | Net Weight | Gross Weight |
|----------|-----------------|-------------|------------|--------------|
| F15/SF15 | 30m             | 35*35*19cm  | 12.0kg     | 13.6kg       |
| F16/SF16 | 28m             | 35*35*19cm  | 12.9kg     | 14.5kg       |
| SF17     | 28m             | 35*35*19cm  | 12.9kg     | 14.5kg       |
| SF18     | 28m             | 35*35*19cm  | 12.9kg     | 14.5kg       |
| F21/SF21 | 20m             | 35*35*19cm  | 10.4kg     | 12.0kg       |
| SF10     | 35m             | 35*35*19cm  | 11.2kg     | 12.8kg       |
| SF09     | 45m             | 35*35*19cm  | 7.7kg      | 9.3kg        |
| SF08     | 60m             | 35*35*19cm  | 14.4kg     | 16.0kg       |
| SF06     | 60m             | 35*35*19cm  | 14.4kg     | 16.0kg       |



## Standard : Carton (White Carton+ Roll up packing Inside)

| Product  | Coiling Max. length | Quantity (Roll) | Carton Size | Net Weight | Gross Weight |
|----------|---------------------|-----------------|-------------|------------|--------------|
| SP01     | 10m                 | 10              | 35*35*19cm  | 20.0kg     | 21.6kg       |
| SP05     | 11m                 | 10              | 35*35*19cm  | 19.8kg     | 21.4kg       |
| SF05     | 11m                 | 10              | 35*35*19cm  | 18.0kg     | 19.6kg       |
| SF06     | 8m                  | 14              | 35*35*19cm  | 26.8kg     | 28.4kg       |
| SF08     | 8m                  | 14              | 35*35*19cm  | 26.8kg     | 28.4kg       |
| SF09     | 8m                  | 10              | 35*35*19cm  | 14.4kg     | 16.0kg       |
| SF10     | 6m                  | 11              | 35*35*19cm  | 21.2kg     | 22.8kg       |
| F15/SF15 | 6m                  | 7               | 35*35*19cm  | 16.8kg     | 18.4kg       |
| F16/SF16 | 4.5m                | 9               | 35*35*19cm  | 18.7kg     | 20.3kg       |
| SF17     | 4.5m                | 9               | 35*35*19cm  | 18.7kg     | 20.3kg       |
| SF18     | 4.5m                | 9               | 35*35*19cm  | 18.7kg     | 20.3kg       |
| F21/SF21 | 4.5m                | 9               | 35*35*19cm  | 21.0kg     | 22.6kg       |
| SF24     | 13m                 | 2               | 41*41*19cm  | 15.6kg     | 17.5kg       |

# Product Packing Details



Custom : Carton (White Box+Plastic Plate Inside)

| Product  | Packing 1                |                     |             |                 | Packing 2                |                     |             |                 |
|----------|--------------------------|---------------------|-------------|-----------------|--------------------------|---------------------|-------------|-----------------|
|          | Packing 1<br>Max. Length | Quantity<br>(Plate) | Carton Size | Gross<br>Weight | Packing 2<br>Max. Length | Quantity<br>(Plate) | Carton Size | Gross<br>Weight |
| F15/SF15 | 5m                       | 1                   | 41*41*5cm   | 2.5kg           | 10m                      | 1                   | 57*48*6cm   | 5.0kg           |
|          |                          | 4                   | 41*41*19cm  | 10.6kg          |                          | 5                   | 57*48*19cm  | 25.0kg          |
| F16/SF16 | 5m                       | 1                   | 41*41*5cm   | 2.5kg           | 10m                      | 1                   | 63*53*6cm   | 5.0kg           |
|          |                          | 4                   | 41*41*19cm  | 10.0kg          |                          | 3                   | 63*53*16cm  | 15.0kg          |
| SF17     | 5m                       | 1                   | 41*41*5cm   | 2.5kg           | 10m                      | 1                   | 63*53*6cm   | 5.0kg           |
|          |                          | 4                   | 41*41*19cm  | 10.6kg          |                          | 3                   | 63*53*16cm  | 15.0kg          |
| SF18     | 5m                       | 1                   | 41*41*5cm   | 2.5kg           | 10m                      | 1                   | 63*53*6cm   | 5.0kg           |
|          |                          | 4                   | 41*41*19cm  | 10.6kg          |                          | 3                   | 63*53*16cm  | 15.0kg          |
| F21/SF21 | 5m                       | 1                   | 41*41*5cm   | 3.1kg           | 10m                      | 1                   | 63*53*6cm   | 6.2kg           |
|          |                          | 4                   | 41*41*19cm  | 13.0kg          |                          | 3                   | 63*53*16cm  | 18.6kg          |
| SP01     | 10m                      | 1                   | 41*41*5cm   | 2.6kg           | 20m                      | 1                   | 57*48*6cm   | 5.0kg           |
|          |                          | 4                   | 41*41*19cm  | 11.0kg          |                          | 5                   | 57*48*19cm  | 25.0kg          |
| SP05     | 10m                      | 1                   | 41*41*5cm   | 2.4kg           | 20m                      | 1                   | 57*48*6cm   | 3.6kg           |
|          |                          | 4                   | 41*41*19cm  | 9.6kg           |                          | 5                   | 57*48*19cm  | 18.0kg          |
| SF05     | 10m                      | 1                   | 41*41*5cm   | 2.0kg           | 20m                      | 1                   | 57*48*6cm   | 4.0kg           |
|          |                          | 4                   | 41*41*19cm  | 8.0kg           |                          | 5                   | 57*48*19cm  | 20.0kg          |
| SF06     | 7m                       | 1                   | 41*41*5cm   | 2.3kg           | 14m                      | 1                   | 57*48*6cm   | 4.4kg           |
|          |                          | 4                   | 41*41*19cm  | 9.2kg           |                          | 5                   | 57*48*19cm  | 22.0kg          |
| SF08     | 7m                       | 1                   | 41*41*5cm   | 2.3kg           | 14m                      | 1                   | 57*48*6cm   | 4.4kg           |
|          |                          | 4                   | 41*41*19cm  | 9.2kg           |                          | 5                   | 57*48*19cm  | 22.0kg          |
| SF09     | 9m                       | 1                   | 41*41*5cm   | 2.0kg           | 18m                      | 1                   | 57*48*6cm   | 3.9kg           |
|          |                          | 4                   | 41*41*19cm  | 8.0kg           |                          | 5                   | 57*48*19cm  | 19.5kg          |
| SF10     | 5m                       | 1                   | 41*41*5cm   | 2.3kg           | 10m                      | 1                   | 57*48*6cm   | 4.2kg           |
|          |                          | 4                   | 41*41*19cm  | 9.2kg           |                          | 5                   | 57*48*19cm  | 21.0kg          |
| SF24     | 5m                       | 1                   | 57*48*6cm   | 2.3kg           | 10m                      | 1                   | 63*53*6cm   | 4.2kg           |
|          |                          | 4                   | 57*48*19cm  | 9.2kg           |                          | 5                   | 63*53*16cm  | 21.0kg          |
| SF33     | 3m                       | 1                   | 63*53*6cm   | 3.4kg           | 10m                      | 1                   | 85*73*6cm   | 11.5kg          |
|          |                          | 3                   | 63*53*16cm  | 10.2kg          |                          | 2                   | 85*73*11cm  | 23.0kg          |
| SF34     | 3m                       | 1                   | 63*53*6cm   | 3.2kg           | 10m                      | 1                   | 85*73*6cm   | 11.0kg          |
|          |                          | 3                   | 63*53*16cm  | 9.6kg           |                          | 2                   | 85*73*11cm  | 22.0kg          |