



## Fiber Optic PLC Splitter

### FEATURES

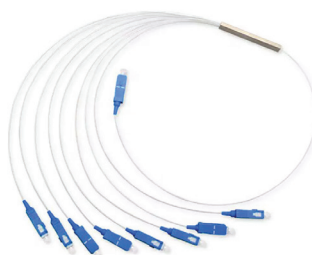
- Low insertion loss
- Low PDL
- Good directivity
- Available in 3 different package types
- Available in pre-loaded in slimline panel option
- Up to 32 ports for SC connection in 19" slimline panel
- Up to 64 ports for LC connection in 19" slimline panel



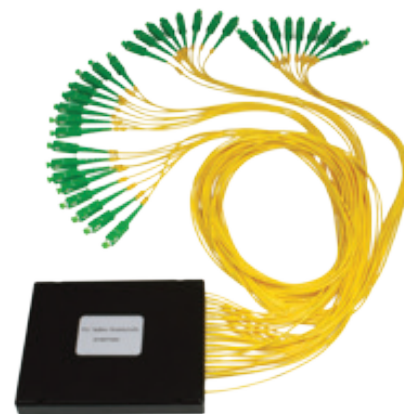
PLC Splitter 19" Rack Mount Type

### APPLICATIONS

- FTTX
- Light source distribution
- Optical Fiber communication systems
- PON
- Optical fiber test equipment



Mini Tube Module



Black Box Module

### TECHNICAL CHARACTERISTIC

| Parameters                              | PLC Splitter |           |           |           |            |            |           |           |           |           |            |            |
|-----------------------------------------|--------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------|------------|
|                                         | 1x2          | 1x4       | 1x8       | 1x16      | 1x32       | 1x64       | 2x2       | 2x4       | 2x8       | 2x16      | 2x32       | 2x64       |
| Operating Wavelength                    | 1260~1650nm  |           |           |           |            |            |           |           |           |           |            |            |
| Insertion Loss (AVE, dB)                | 4            | 7.3       | 10.5      | 13.8      | 16.8       | 20.5       | 4.4       | 8         | 11.7      | 14.7      | 17.9       | 21.2       |
| Insertion Loss (MAX, dB)                | 4.5          | 7.7       | 11.2      | 14.2      | 17.5       | 21.5       | 4.7       | 8.3       | 12        | 15        | 18.2       | 21.9       |
| Return Loss (dB)                        | 5.5          | 5.5       | 5.5       | 5.5       | 5.5        | 5.5        | 5.5       | 5.5       | 5.5       | 5.5       | 5.5        | 5.5        |
| PDL (AVE, dB)                           | 0.1          | 0.1       | 0.15      | 0.15      | 0.15       | 0.2        | 0.1       | 0.1       | 0.2       | 0.3       | 0.3        | 0.4        |
| PDL (MAX, dB)                           | 0.2          | 0.2       | 0.3       | 0.3       | 0.3        | 0.4        | 0.2       | 0.2       | 0.4       | 0.4       | 0.4        | 0.5        |
| Loss Uniformity (AVE, dB)               | 0.4          | 0.5       | 0.6       | 0.6       | 0.9        | 1.3        | 0.5       | 1         | 1         | 1.2       | 1.5        | 2.2        |
| Loss Uniformity (MAX, dB)               | 0.6          | 0.8       | 1         | 1.4       | 1.7        | 2.7        | 0.8       | 1.4       | 1.7       | 2         | 2.2        | 2.7        |
| Directivity (dB)                        | 55           | 55        | 55        | 55        | 55         | 55         | 55        | 55        | 55        | 55        | 55         | 55         |
| Operating Temp. (°C)                    | -40 ~ +85    | -40 ~ +85 | -40 ~ +85 | -40 ~ +85 | -40 ~ +85  | -40 ~ +85  | -40 ~ +85 | -40 ~ +85 | -40 ~ +85 | -40 ~ +85 | -40 ~ +85  | -40 ~ +85  |
| Storage Temp. (°C)                      | -40 ~ +85    | -40 ~ +85 | -40 ~ +85 | -40 ~ +85 | -40 ~ +85  | -40 ~ +85  | -40 ~ +85 | -40 ~ +85 | -40 ~ +85 | -40 ~ +85 | -40 ~ +85  | -40 ~ +85  |
| Dimension (L*W*H, mm)<br>Component type | 40*4*4       | 40*4*4    | 40*4*4    | 40*4*4    | 50*7*4     | 60*7*4     | 40*4*4    | 40*4*4    | 40*4*4    | 40*4*4    | 60*7*4     | N/A        |
| Dimension (L*W*H, mm)<br>ABS type       | 100*80*9     | 100*80*9  | 100*80*9  | 120*8*18  | 140*114*18 | 140*114*18 | 100*80*9  | 100*80*9  | 100*80*9  | 120*8*18  | 140*114*18 | 140*114*18 |

### ORDERING INFORMATION

| Part No.                  | Connector    | Module       | Splitter Capacity      | Connector Type   | Core Diameter |
|---------------------------|--------------|--------------|------------------------|------------------|---------------|
| ANX-PLC<br>= Annexcom PLC | FC = FC      | FC = FC      | 0102 = 01 to 02 Core   | SM = Single Mode | 9 = 9um       |
|                           | FCA = FC/APC | FCA = FC/APC | 0104 = 01 to 04 Core   | OS1 / OS2        |               |
|                           | SC = SC      | SC = SC      | 01XX = 01 to XX Core   |                  |               |
|                           | SCA = SC/APC | SCA = SC/APC | 0204 = 02 to 04 Core   | MM = Multi Mode  | 3 = OM3       |
|                           | LC = LC      | LC = LC      | 0216 = 02 to 16 Core   | OM1 / OM2 / OM3  | 4 = OM4       |
|                           | LCA = LC/APC | LCA = LC/APC | 02128 = 02 to 128 Core | OM4 / OM5        | 5 = 50um      |
|                           |              |              | 02XX = 02 to XX Core   |                  | 6 = 62.5um    |
|                           |              |              |                        |                  | 7 = OM5       |
| ANX-PLC                   | aa           | bb           | xxxx                   | yy               | z             |