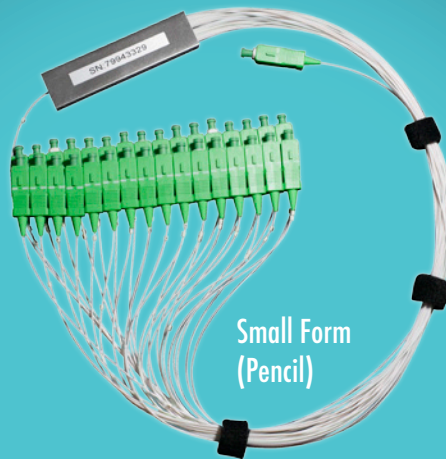


# IN LINE SPLITTERS

by Total Cable Solutions



ABS Box



Small Form (Pencil)



Ruggedized Metal Splitter

Bend Insensitive Fiber



Reduces risk of breakage during installation

Multiple Packages Available



Available in pencil, plastic and metal variations

In-Stock Inventory



TCS stocks most variations of PLC splitters, cutting down lead time and keeping you up and running

Available Unterminated



No connectors, making it perfect for splice enclosures


## Industry Standard

Telcordia GR-326-CORE  
TIA/EIA-568-C.3  
IEE802.3z  
RoHs Compliant 

## Jackets

- 900  $\mu$ m - on small form (pencil)
- 2mm on plastic and metal boxes

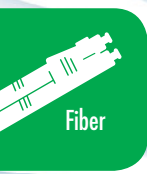
## Features

- Easy installation
- Customer - defined specifications
- Low insertion loss
- High uniformity
- High reliability
- Fiber Type: BIF- Bend Insensitive Fiber (High Bend Radius) > G.657.A1 
- Batch testing by Dorc Machine
- Customization: Length, packaging, bar coding, labeling, stocking programs, color and style of cable

## Applications

- Fiber to the home
- Metro
- Network protection
- Monitoring
- Access/PON distribution
- GPON
- CATV





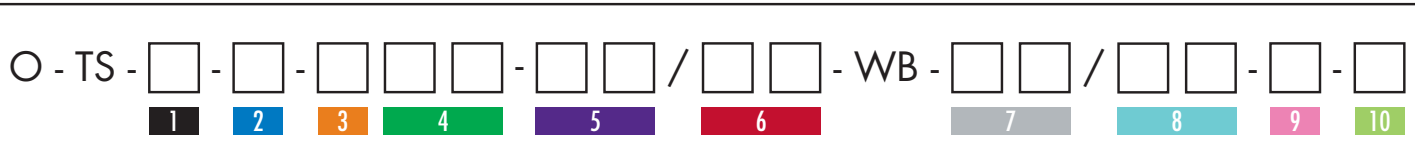
ITEMS	2xN Splitters					
	2x2	2x4	2x8	2x16	2x32	2x64
Type	2x2	2x4	2x8	2x16	2x32	2x64
Insertion Loss, dB	≤ 4.2	≤ 7.6	≤ 10.9	≤ 14.2	≤ 17.5	≤ 21.5
Uniformity, dB	≤ 0.8	≤ 1.0	≤ 1.2	≤ 1.50	≤ 1.80	≤ 2.0
Operating Wavelength, nm	1260 ~ 1650					
Directivity, dB	≥ 55					
Optical Input Return Loss, dB	≥ 55					
Polarization Dependent Loss, dB	≤ 0.3					
Storage Temperature, °C	-40 ~ 85 *					
Operating Temperature, °C	-40 ~ 85 *					
Connectors	SC, SC/APC, LC, LC/APC, ribbon, or others					

\* -20°C ~ +70°C for 900µm, 2.0mm, or 3.0mm cable

ITEMS	1xN Splitters					
	1x2	1x4	1x8	1x16	1x32	1x64
Type	1x2	1x4	1x8	1x16	1x32	1x64
Insertion Loss, dB	≤ 4.2	≤ 7.4	≤ 10.7	≤ 13.7	≤ 16.9	≤ 21.5
Uniformity, dB	≤ 0.6	≤ 0.8	≤ 1.0	≤ 1.2	≤ 1.5	≤ 2.0
Operating Wavelength, nm	1260 ~ 1650					
Directivity, dB	≥ 55					
Optical Input Return Loss, dB	≥ 55					
Polarization Dependent Loss, dB	≤ 0.3					
Storage Temperature, °C	-40 ~ 85 *					
Operating Temperature, °C	-40 ~ 85 *					
Connectors	SC, SC/APC, LC, LC/APC, ribbon, or others					

NOTE: Loss does not include connector loss

### ORDERING INFORMATION



- 1 FIBER TYPE (INPUT)**  
C = SM Bare Fiber  
L = SM 900µm tube  
S = Modulized  
X = Others (please specify)
- 2 FIBER TYPE (OUTPUT)**  
C = SM Bare Fiber  
L = 50cm Bare Fiber + 900µm Ribbon fan-out  
H = 900µm Tube w/ fan-out  
X = Others (please specify)
- 3 INPUT PORT #**  
1 = 1 x N  
2 = 2 x N
- 4 OUTPUT PORT #**  
02 = 2 Ports  
04 = 4 Ports  
08 = 8 Ports  
16 = 16 Ports  
32 = 32 Ports  
64 = 64 Ports  
XX = Others (please specify)
- 5 INPUT FIBER LENGTH**  
10 = 100cm  
15 = 150cm  
00 = Modulized  
XX = Others (please specify)
- 6 OUTPUT CABLE LENGTH**  
10 = 100cm  
20 = 200cm  
00 = Modulized  
XX = Others (please specify)

- 7 CONNECTOR TYPE (INPUT)**  
LC = LC  
SC = SC  
E2 = E2000  
MU = MU  
SC = SC  
E2 = E2000  
MU = MU  
XX = Others (please specify)
- 8 CONNECTOR TYPE (OUTPUT)**  
AL = LC/APC  
AS = SC/APC  
AE = E2000/APC  
NC = None  
LC = LC  
SC = SC  
E2 = E2000  
MU = MU  
XX = Others (please specify)
- 9 PACKAGE OPTION**  
2 = 40(L) x 4.0(W) x 4.0(H) for 1(2)x2, 1x4, 1x8, 1x16  
3 = 50(L) x 7.0(W) x 4.0(H) for 1x32  
4 = 55(L) x 7.0(W) x 4.0(H) for 2x16, 2x32  
5 = 45(L) x 5.0(W) x 4.0(H) for 2x4, 2x8  
6 = A6 plastic box (120x80x18mm) with pigtails  
7 = A5 plastic box (141x115x18mm) with pigtail (for 1x32)  
0 = Modulized (with Adapters)  
B = 65(L)x12(W)x4.0(H) for 1x64  
D = 65(L)x12(W)x4.0(H) for 2x64  
A = 60(L)x12(W)x4.0(H) for small form 1(2)x16 900µm tube  
8 = 55(L)x7(W)x4.0(H) for small form 1(2)x2, 1(2)x4, 1(2)x8 900µm tube  
E = 80(L)x20(W)x6.0(H) for small form 900µm tube (1(2)x32)  
M = Ruggedized Metal Dimensions: 98.4(L)x79.4(W)x9.5(H)
- 10 PACKAGE**  
J = B.I.F.