



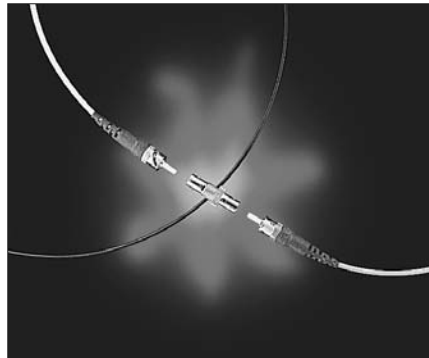
# 8011 Series (ST\*II)

## Applications

LAN  
datacom network computer link  
computer industrial link

## Standards

ST\* Compatible  
IEC 86 B



## Description

- Connector fully compatible with all the existing ST\* connectors
- Low insertion loss
- Bayonet coupling
- Repeatable performances (plug indexing)
- Different types of fibers and cables available
- Jumpers and active device housings can be supplied regarding customer requirement

## Characteristics

### Performances

- Insertion loss : mean value  $\leq 0.3$  dB
- Standard deviation  $\leq 0.15$  dB  
(at : 850 nm with a 62.5/125 fiber)
- Temperature range : - 40° C to + 85° C
- Loss repeat : < 0,1 dB for 500 reconnections
- cabling time per connector : 15 mn/1  
5 mn/12
- Retention force cable/plug :  $\geq 100$  N

### Materials

plug series	ferule	nut and body
8011-72	Ceramic	
8011-75	Metallic	

• boot : Tefabloc

coupler	alignment sleeve	body
8011-22	Bronze	Ni Plated Zamack

## Ordering information

basic series		8011	75	R	1	63
<b>plugs</b>	72 - ceramic probe (zirconia) 75 - rust proof material probe (arcap)					
<b>coupler</b>	22 - thru bulkhead					
<b>device housing</b>	62					
<b>fiber type</b>	G - 50/125 - 62.5/125 $\mu$ H - 100/140/500 $\mu$ R - 200/230/500 $\mu$ - HCS J - 1000 $\mu$ plastic fibre Z - For thru bulkhead coupler or device housing					
<b>other fibers</b>	consult us					
<b>plugs</b>	0 - crimping cleaving technic (R type fibre only), or crimping polishing technic ( J type fibre only) 1 - gluing/polishing technic (G, H, and R fibre types)					
<b>coupler and device housing</b>	- leave blank					
<b>cable type plug</b>	maximum admissible cable diameter 61 - cable $\varnothing$ 1.5 mm 62 - cable $\varnothing$ 2.2 mm (plastic fiber $\varnothing$ 1000 $\mu$ ) 63 - cable $\varnothing$ 2.4 mm to $\varnothing$ 3 mm					
<b>coupler and device housing</b>	For other cables diameters or adapters, consult us 01					
<b>packaging size</b>	- unit (for plug 8011 15 R 063 only) D - per 10 pieces (for plugs and couplers) C - per 100 pieces (for couplers and caps)					
<b>caps for plug</b>	8011- 0076					



# 8011 Series (ST\*II)

## Fibre termination

### Technology

- gluing/polishing for fibre types G, H, R
- crimping/polishing for fibre type J
- crimping/cleaving for fibre type R (field cabling)

### Tool kit

**P/N : 80-MG0011**

The tool kit contains all necessary tools to terminate ST\* plugs in gluing/polishing technic (stripping tools for cable and fibre, crimping tool, ...).

### Tool kit

**P/N : 80-MF0002**

The tool kit contains all necessary tools required to terminate ST\* plugs in crimping/cleaving technic, particularly used in case of field cabling.  
*NB : available for HCS 200/230/500 fiber into Ø 2.6 mm cable only*

### Tool kit

**P/N : 80-MS0003**

The tool kit contains all necessary tools to terminate ST\* plugs for plastic fibre, such as :

- stripping plier
- crimping tool
- polishing tool.

### Options can be ordered separately for tool kits 80-MG0011 and 80-MS0003 :

- microscope/high magnification (x 200) P/N : 80-WL0007
- microscope/high magnification (x 400) P/N : 80-WL0001
- ST\* adapter for microscope P/N : 80-WL0002

### For industrial and aeronautical Applications (-40 to +85°C)

#### Consumable

**P/N : 80-KG0009**

The consumable kit contains all necessary materials to terminate about 50 plugs such as :

- polishing disks
- glue
- syringes and needles
- ethanol
- dry air canned
- miscellaneous.

#### Cleaning kit

**P/N : 80-KN0002**

The cleaning kit contains all necessary items to clean either plugs, couplers or device housings, such as :

- ecological cleaning spray
- dry air canned
- ethanol
- paper sticks
- cleaning paper.

## Table of available P/N

Plug	Coupler
8011 72 G 163D	8011 22 Z 01D
8011 75 H 161D	8011 22 Z 01C
8011 75 H 163D	
8011 75 R 063	
8011 75 R 163D	
8011 75 J 062D	

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