



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 fibres 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
 - 20° C to + 70° C
(ceramic and composite ferule)
 - 40° C to + 85° C (metallic ferule)
- Loss repeat
< 0,1 db for 500 reconnections
- cabling time per connector : 15 mn/1
5 mn/12
≥100 N
- Retention force cable/plug

Materials :

Plug series	Ferule	Nut and body
8011-12	Ceramic	
8011-13	Composite polymer	Ni plated zamack
8011-15	Metallic	

• boot : Tefabloc

Coupler	Alignment Sleeve	Body
8011-22	Bronze	Ni Plated Zamack

Ordering information

basic series		8011	15	R	1	63
Plugs	12 - ceramic probe (zirconia) 13 - high precision composite polymer probe 15 - rust proof material probe (arcap)					
Coupler	22 - thru bulkhead					
Device housing	62					
Fibre type	G - 50/125 - 62,5/125 μ available in series 12/13 H - 100/140/500 μ } available in series 15 R - 200/230/500 μ - HCS J - 1000 μ Plastic fibre Z - For thru bulkhead coupler or device housing					
Other fibres	consult us					
Plugs	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)					
Coupler and device housing	- leave blank					
Cable type plug	maximum admissible cable diameter 61 - cable Ø 1,5 mm 62 - cable Ø 2,2 mm (plastic fiber Ø 1000 μ) 63 - cable Ø 2,4 mm to Ø 3 mm 80 - multi cable } Ø 1,1 mm hole adaptors } Ø 1,6 mm } Ø 3 mm					
For other cables diameters or adaptors or spare, consult us						
Coupler and device housing	01					
Packaging size	- unit (for plug 8011 15 R 063 only) D - per 10 pieces (for plugs and couplers) C - per 100 pieces (for couplers and caps)					
Caps for plug	8011- 0076 C					



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

Consumable

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

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

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

P/N : 80-KG0009

For datacom applications (-20 to + 70°C)

P/N : 80-KG0012

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

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

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

Table of available P/N :

• plugs :

8011	12	G	163D
8011	12	G	180D
8011	13	G	163D
8011	13	G	180D
8011	15	H	161D
8011	15	H	163D
8011	15	R	063
8011	15	R	163D
8011	15	J	062D

• couplers :

8011	22	Z	01D
8011	22	Z	01C

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