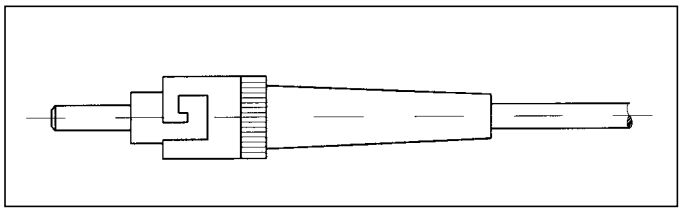
ST® Connector



Description

Patch cables are available as multimode or single mode fiber in a simplex cable (single fiber) or duplex cable (zipcord) connectorized on both sides with ST connectors. Standard lengths (2 meters and 3 meters, multimode) are available from stock.

Pigtails are available as cable (with PVC jacket and strength member), loose-tube fiber, or 900mm buffered fiber-only connectorized on one side with an ST connector. Standard lengths (2 meters, multimode) are available from stock.

The patch cables and pigtails are individually tested, and a test certificate is provided for each one.

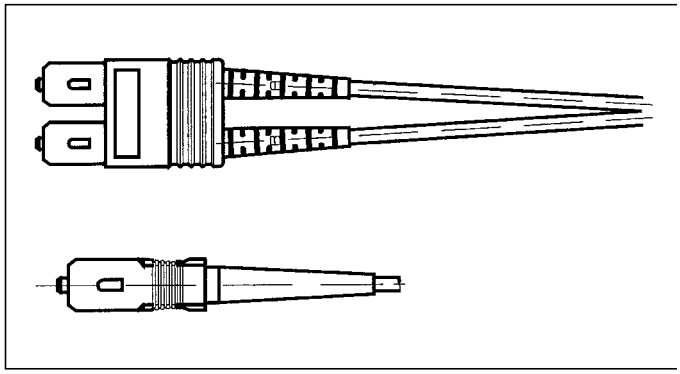
Technical Data

Parameter	Values			Unit
Core Diameter	9/125	50/125	62.5/125	µm
Ferrule	ZrO_2-Ceramic			
Ferrule Diameter	2.499 ±0.0005	2.499 ±0.001	2.499 ±0.0001	mm
Typical Attenuation	≤0.2			dB
Return Loss	≥35*	—	—	
Cycles	500			
Operating Temperature	0 to +70			°C
Storage Temperature	–40 to +70.			
Strain Relief (cable version)	> 100			N

* Higher values available

ST® is a registered trademark of AT&T.

SC Connector



Description

Patch cables are available as multimode or single mode fiber in a simplex (single fiber) or duplex cable (zipcord) connectorized on both sides with SC connectors.

Pigtails are available as cable, loose-tube fiber, or 900 mm buffered fiber-only connectorized on one side with an SC connector.

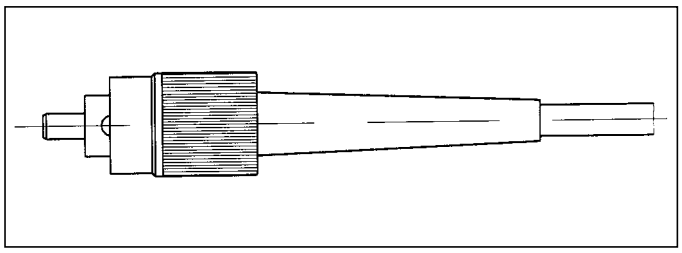
The patch cables and pigtails are individually tested, and a test certificate is provided for each one.

Technical Data

Parameter	Values			Unit
Core Diameter	9/125	50/125	62.5/125	µm
Ferrule	ZrO_2-Ceramic			
Ferrule Diameter	2.499 ±0.0005	2.499 ±0.001		mm
Typical Attenuation	≤0.2			dB
Return Loss	≥35*	—		
Cycles	500			
Operating Temperature	0 to +70			°C
Storage Temperature	–40 to +70			
Strain Relief (cable version)	> 100			N

* Higher values available

FC/PC Connector



Description

Patch cables are available as simplex or duplex cable (zip-cord) connectorized on both sides with FC/PC connectors.

Pigtails are available as cable, loose-tube fiber, or 900mm buffered fiber-only connectorized on one side with an FC/PC connector.

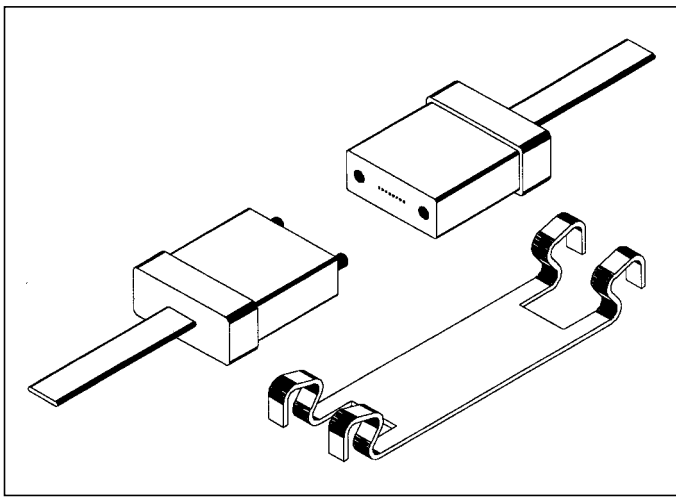
The patch cables and pigtails are individually tested, and a test certificate is provided for each one.

Technical Data

Parameter	Values			Unit
Core Diameter	9/125	50/125	62.5/125	µm
Ferrule	ZrO_2-Ceramic			
Ferrule Diameter	2,499 ±0.0005	2,499 ±0.001	2,499 ±0.0001	mm
Typical Attenuation	≤0.2			dB
Return Loss	≥35*			
Cycles	500			
Operating Temperature	0 to +70			°C
Storage Temperature	–40 to +70°C			
Strain Relief (cable version)	> 100			N

* Higher values on request

MT Connector



Description

MT technology is suitable for parallel data transmission (ARRAY technology). The MT ferrule accomodates four to twelve fibers.

The MT connector can be integrated into the SIPAC® backplane-connector system.

The MT connector is available in two versions:

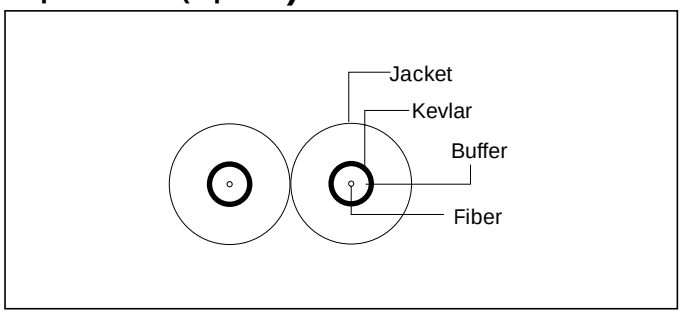
- MT push-pull connector assembled to fiber ribbon (without strain relief) or to ribbon cable (strain relief). It enables mating to a device or an adapter allowing a more rugged assembly construction.
- MT ferrule with fiber ribbon
  MT ferrules are coupled by a spring only (no strain relief).

Technical Data

Parameter	Values			Unit
Core Diameter	9/125	50/125	62.5/125	µm
Ferrule	Plastic			
Ferrule Diameter (L/W/H)	8x6.9x3			mm
Endface	8°angle polish	flat polish		
Insertion Loss per Fiber, max.	<1			dB
Cycles	200			
Return Loss	>50	—		dB
Operating Temperature	0 to +70			°C
Insertion Temperature	–40 to +70			

SIPAC® is a registered trademark of Siemens.

Duplex Cable (Zipcord)



Description

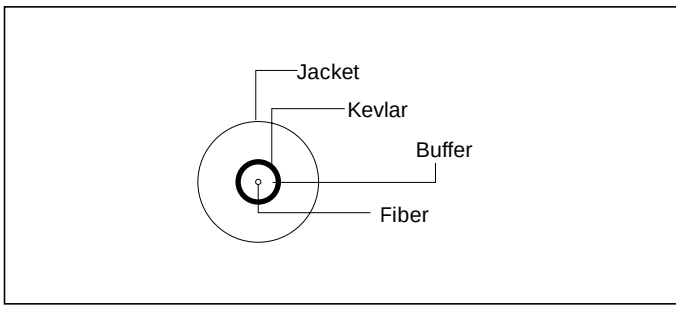
The cable shown is suitable for routing in pipes and cable ducts. It can also be used for linking mobile equipment.

The standard length of the whips for the ST® Patchcable is 30 cm.

Technical Data

Parameter	Values			Unit
Core diameter	9/125	50/125	62.5/125	µm
Cable outside Diameter	2.9x5.8			mm
Cable Weight	16			kg/km
Tension Load During installation, max.	1000			N
Crush Resistance	500			N/cm
Operating Temperature	0 –+70			˚C
Storage Temperature	–40 –+70			
Bend Radius in Operation, min.	30			mm
Attenuation 850/ 1300/1550 nm	–/0.5/0.4	3/1/–	3.5/1/–	dB/km
Bandwidth 850/ 1300 nm	—	200/800	200/500	MHz/ km
Dispersion 1300/ 1550 nm, max	3.5/19	—		ps/km/nm

Simplex Cable



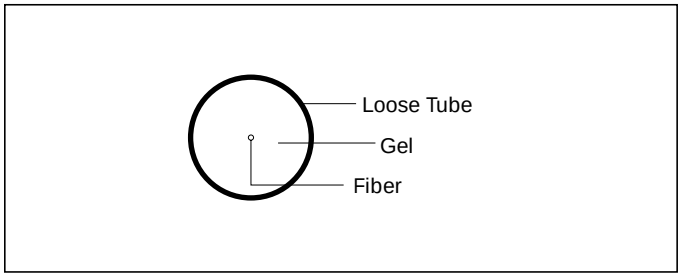
Description

The cable shown is suitable for routing in pipes and cable ducts. It can also be used for linking mobile equipment.

Technical Data

Parameter	Values			Unit
Core diameter	9/125	50/125	62.5/125	µm
Cable outside Diameter	2.9			mm
Cable Weight	8			kg/km
Tension Load During installation, max	500			N
Crush Resistance	500			N/cm
Operating Temperature	0 to +70			˚C
Storage Temperature	–40 to +70			
Bend Radius in Operation, min	30			mm
Attenuation 850/ 1300/1550 nm	–/0.5/0.4	3/1/–	3.5/1/–	dB/km
Bandwidth 850/ 1300nm	—	200/800	200/500	MHz/km
Dispersion 1300/ 1550 nm, max	3.5/19	—		ps/km/nm

Fiber 0.9 mm



Description

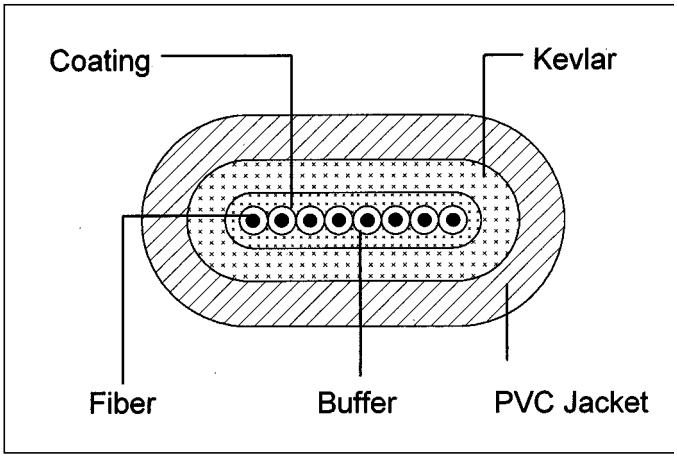
This fiber is suitable for installation in splicing cassettes. The fiber is protected by a PVC sheath.

The fiber is available with or without a gel in the loose tube.

Technical Data

Parameter	Values			Unit
Core diameter	9/125	50/125	62.5/125	µm
Operating Temperature	0 to +70			˚C
Storage Temperature	–40 to +70			
Bend Radius in Operation, min.	30			mm
Attenuation 850/ 1300/1550 nm	–/0.5/0.4	3/1/–	3.5/1/–	dB/km
Bandwidth 850/ 1300nm	—	200/800	200/500	MHz/km
Dispersion 1300/ 1550 nm, max	3.5/19	—		ps/km/nm

Ribbon Cable



Description

The ribbon cable is suitable for flexible indoor routing.

Cable construction:

- Fiber bundle with four, eight or twelve separate coated fibers
- Colored ribbon to differentiate the separate fibers
- Strain relief with kevlar
- PVC jacket
- Flammability in accordance with UL 1666

Technical Data

Parameter	Values			Unit
Core Diameter	9/125	50/125	62.5/125	µm
Cable outside Diameter	4x2			mm
Cable Weight	9.2			kg/km
Tension Load During installation, max	500			N
Crush Resistance	750			N/cm
Operating Temperature	0 to +70			˚C
Storage Temperature	–40 to +70˚			
Bend Radius in Operation, min.	30			mm
Attenuation 850/ 1300/1550 nm	–/0.5/0.4	3/1/–	3.5/1/–	dB/km
Bandwidth 850/ 1300nm	—	200/800	200/500	MHz/km
Dispersion 1300/ 1550 nm. max	3.5/19	—		ps/km/nm