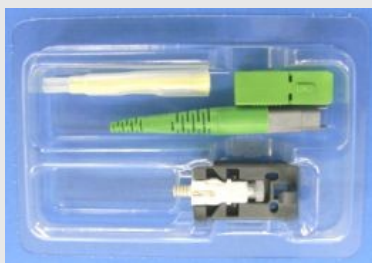


FEATURES

- Fusion Spliced field installable connector.
- Low splice loss, high return loss, high reliability
- Applicable for 3mm, 2mm, 0.9mm fibres
- No termination/splice box required
- Telecordia Compliant
- Compatible with Fujikura Splicers *1


***FuseConnect™* Product Specifications**

Connector type	SC (TIA/EIA-604-3)
Applicable fibres	3mm fibre cord, 2mm fibre cord, 0.9mm coating fibre
Polish type	APC, UPC
Joint loss	<0.4 dB
Return loss	>65 dB / APC >55 dB / UPC
Tensile strength	66.6N or more

EASY ASSEMBLY


1) Remove Connector components



2) Prepare Fibre



3) Splice



4) Assemble Heat Shrink



5) Push fit housing to complete

*1 Compatibility(- Ribbon splicers - FSM-60S - FSM-18S -FSM-17S-FH)

DATA SHEET

Field Installable Connector **FuseConnect™**
FuseConnect™ Ordering Information

Model (ordering code)	Connector type	Colour	Optical fibre	Sheath diameter
FUSECONNECT-SC-APC-30	SC-APC	Green	SM □ G652 □	3.0 mm
FUSECONNECT-SC-SM-30	SC-UPC	Blue	SM □ G652 □	3.0 mm
FUSECONNECT-SC-APC-20	SC-APC	Green	SM □ G652 □	2.0 mm
FUSECONNECT-SC-SM-20	SC-UPC	Blue	SM □ G652 □	2.0 mm
FUSECONNECT-SC-APC-09	SC-APC	Green	SM □ G652 □	0.9 mm
FUSECONNECT-SC-SM-09	SC-UPC	Blue	SM □ G652 □	0.9 mm

FuseConnect™ Performance Tests

Test Item	Test Procedure	Connector Loss	Return Loss
Thermal Ageing	85 Deg C, 168 Hours	<0.4dB	>65 dB APC >55dB UPC
Thermal Cycle	-40 to +75 Deg C, 10 cycles, 168 Hours		
Humidity Ageing	75 Deg C, 95% RH, 168 Hours		
Humidity/condensation cycling	-10 to 65 Deg C, 95% RH, 10cycles, 168 hours		
Post Condensation thermal cycling	-40 to +75 Deg C, 10 cycles 168 hours		
Flex test	8.81N, 100cycles before and after test		
Twist Test	13.2N, -900 deg to +900Deg, 9 cycles (before and after test)		
Proof Test, straight pull	6.6N (Before and After)		
Proof test:- 90Deg side pull	34.3N (before and after test)		
Transmission with applied tensile load	All ranges up to 19.6N 90 Deg, and 0 Deg		
Impact Test	8 Impacts from 1.5m against concrete (before and after)		
Vibration test	1.5mm 10-55Hz, 3 axis, before and after test		