

# FST

## Flexible Service Terminal

TE Connectivity's FST (Flexible Service Terminal) distributes fibre to the customer premises in Fibre-To-The-Home (FTTH) networks, incorporating hardened connector technology that is designed to withstand the harsh outside plant conditions. These specially designed hardened fibre connectors are factory terminated and sealed for use within underground environments.

The FST is a hardened multi-fibre breakout cable assembly pre-terminated with a Hardened Multi-Fibre Optic Connector (HMFOC) plug and multiple hardened single fibre tails for distribution to the customer's premises.



### FEATURES

- Available in 4-, 8- and 12-port configurations
- Tested to meet GR-326, GR-3152 and GR-3120 standards for robust environmental performance
- Factory terminated high performance TE hardened connector\* is utilized as drop connection interface.
- Easy and quick installation to the distribution cable through the 12-fibre HMFOC interface as input
- Zero point of discontinuity in each of the fiber channels
- Fully sealed assembly
- Output cables are grouped and staggered, which results in distributed space consumption and minimizes kinking.
- Dielectric 12F input cable with nylon jacket for termite protection
- Transparent dust caps for easy port identification using a visible light source
- Multiple mounting options

### BENEFITS

- Flexible structure plus very small branching unit allows the FST to be installed and operate in constrained space (like congested pit).
- "Plug and Play" for quick installation and durable and reliable service connection in the outside plant / drop segment of the network.
- Simple solution that can greatly reduce or even avoid civil works and construction costs

\* TE hardened connector is compatible with OptiTap® products.

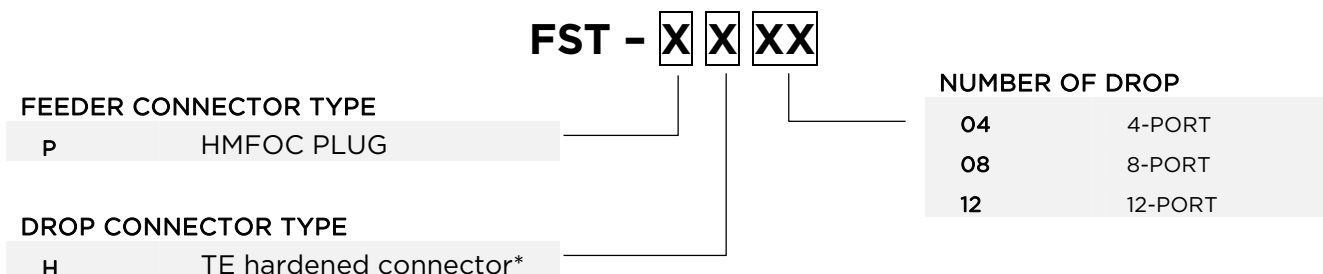
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### GENERAL SPECIFICATION

Feeder Connector	HMFOC Plug Type (8° angled)
Drop Connector	SC/APC TE hardened connector* (8° angled)
Number of Drop Connectors	4, 8 or 12
Standards	Comply to GR-3120, GR-326 and GR-3152
Insertion Loss (1310,1490,1550,1625nm): HMFOC: TE hardened Connector*:	Max. 0.60dB, Mean<=0.35dB Max. 0.40dB, Mean<=0.15dB
Return Loss (1310,1490,1550,1625nm): HMFOC: TE hardened Connector*:	>= 65dB >= 65dB
Fibre Type	ITU-T G.657 Class A2
Fibre Attenuation (1310nm)	≤ 0.35dB / km
Fibre Attenuation (1383nm)	≤ 0.35dB / km
Fibre Attenuation (1490nm)	≤ 0.25dB / km
Fibre Attenuation (1550nm)	≤ 0.25dB / km
Fibre Attenuation (1625nm)	≤ 0.25dB / km
Operation Temperature	-40°C to 70°C
Storage Temperature	-40°C to 70°C
Installation Temperature	-18°C to 40°C
Humidity	90% - 100% RH
Water Resistance	3m water head for 7 days without leakage

### ORDERING INFORMATION



\* TE hardened connector is compatible with OptiTap® products.

### Ordering Example

Catalog Number	Description
FST-PH04	4-port FST, feeder side: 1pc HMFOC plug, drop side: 4pcs TE hardened connectors
FST-PH08	8-port FST, feeder side: 1pc HMFOC plug, drop side: 8pcs TE hardened connectors
FST-PH12	12-port FST, feeder side: 1pc HMFOC plug, drop side: 12pcs TE hardened connectors

### DATA SHEET



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