OptiTap® Compatible Squid Assemblies

OVERVIEW

NetSource OptiTap® Compatible Squid Assemblies integrate a passive PLC splitter with hardened SC/APC subscriber connections for FTTH and FTTx networks. Designed for outside plant applications, these compact assemblies provide flexible fiber distribution and simplified subscriber connectivity in pedestals, handholes, and terminals. Factory-terminated connections reduce field splicing and support efficient network deployment.

GENERAL SPECIFICATIONS

- **Port Count:** 2, 4, 8, and 12 Ports
- **PLC Splitter:** Integrated, factory-installed
- **Splitter Configuration:** 1×2, 1×4, 1×8, or 1×12
- **Fiber Type:** Singlemode OS2
- **Connector Type:** OptiTap® Compatible Hardened SC/APC (Inline)
- **Input Breakout Length (Red):** 0.3 m
- **Output Breakout Length:** 0.5 m



12-Port OptiTap® Compatible Squid Assembly

OPTICAL PERFORMANCE

Parameter	1x2	1x4	1x8	1x12
Operating Wavelength (nm)	1260-1650			
Insertion Loss (dB) Max with Connectors (One End Only)	4.1	7.4	10.5	12.8
Uniformity (dB)	≤0.4	≤0.5	≤0.8	≤1.0
Polarization Dependent Loss (dB)	≤0.25	≤0.25	≤0.25	≤0.3
Return Loss (dB)	≥55			
Directionality (dB)	≥55			

Compliant with Build America, Buy America (BABA) requirements.
Contact NetSource for compliance documentation.

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CONFORMANCE

- **Telcordia GR-771 — Terminal:** Fiber Optic Terminal Requirements
- **Telcordia GR-1209 — Splitter:** Passive Optical Component Requirements
- **Telcordia GR-1221 — Splitter:** Reliability Requirements for Passive Optical Components
- **RoHS/REACH**
- **RUS/RDUP**

ENVIRONMENTAL & MECHANICAL PROPERTIES

- **Ingress Protection:** IP68 — OptiTap® Interface
- **Operating Temperature:** -40°C to +70°C (-40°F to +158°F)
- **Cold Mate/Demate Performance:** Tested to -40°C (-40°F)

PART NUMBERS

Port Count	Part Number
2-Port	BA-1X2SM53-2000
4-Port	BA-1X4SM53-2000
8-Port	BA-1X8SM53-2000
12-Port	BA-1X12SM53-2000

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