

Optical Termini in MIL-C-38999 cylindrical Multi-Channel Connectors

MAIN CHARACTERISTICS



The Startop is a cylindrical optical connector for multi-channel cables. The mechanical coupling is achieved by a screw locking mechanism of the plug on the receptacle. The optical connection is made by a physical contact between the two optical termini (POM pin contact and POM socket contact).

Technical description

- Fibers: 50/125, 62.5/125 and 9/125 (other: contact us)
- Number of channels : from 2 to 8 (other arrangements: contact us)
- Plug adapted to tight jacketed multiway cables
- Typical Insertion Loss : 1 dB
- Maximum Return Loss (9/125 fiber): -25 dB
- Optical contacts : Points Optiques Militaires (POM) size 16
- Durability : < 0.2 dB change after 250 mating/unmating cycles
- Cable retention by crimping : > 100 daN
- Connector's Operating Temperature : -55°C, +125°C
- Shells in accordance with MIL-C-38999 Serie III Standard
- Materials :
 - Plug, receptacle : aluminium with olive drab cadmium plating (other material or plating : contact us)
 - Ferrule : ceramic
 - Metal alignment sleeve
- Screw locking mechanism, anti decoupling device
- Return spring assuring the physical contact of the optical faces

Applications

- Connectors for the optical communication networks in the military and industrial fields
- Bay stations
- Interconnect links

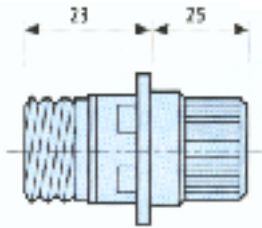
Amphenol

STARTOP

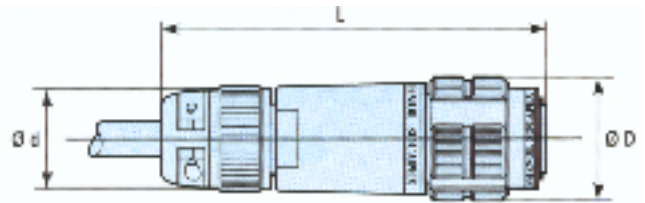
973 Series

Line Drawings (dimensions in mm)

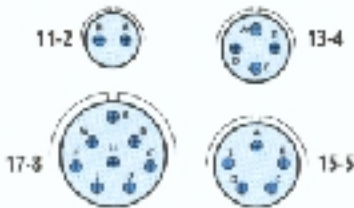
STARTOP square flange receptacle with backshell for pigtails



Standard STARTOP plug for pin contacts STA 00 S MF XX N XX RW C 0



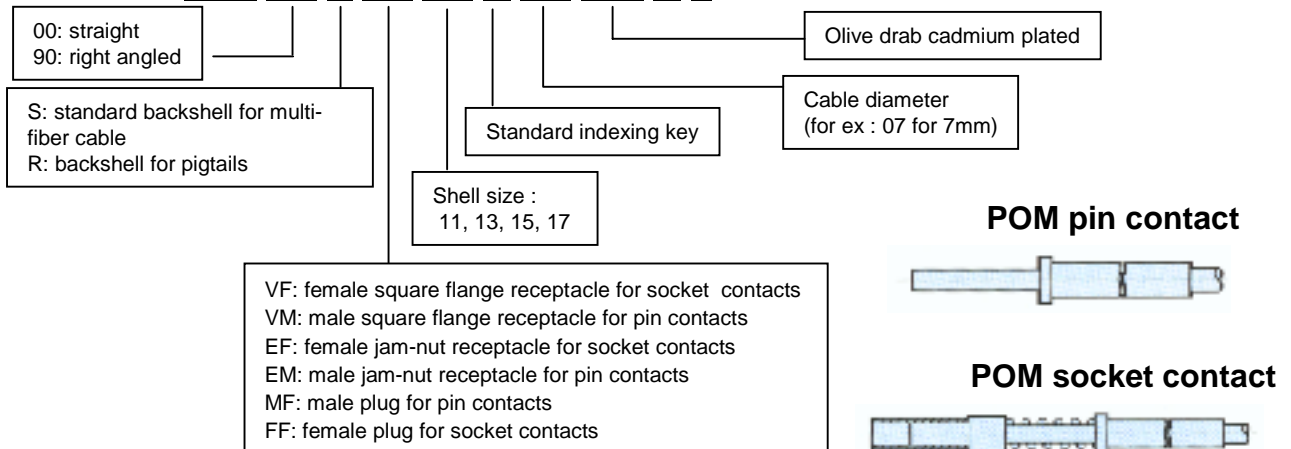
Arrangements for size 16 contacts (other arrangements: contact us)



Shells size	d	D	L	Nb of channels	Cable
11	25	25	100	2	4,8 à 10
13	29	29	100	4	6 à 10
15	30	32.5	100	5	6 à 10
17	33	35.5	100	8	8 à 10

STARTOP plugs and receptacles designation

STA XX X XX XX N XX RW C 0



Requested information to order a STARTOP patchcord :

- Type of fiber
- Cable diameter
- Number of channels
- Patchcord length
- Patchcord configuration : STARTOP plug/ STARTOP plug, STARTOP plug/ STARTOP receptacle, STARTOP receptacle/ STARTOP receptacle, STARTOP plug / other connector, STARTOP receptacle/ other connector
- Configuration of each STARTOP plug or receptacle

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