Technical Data Sheet

Heavy Duty 1000 Connectivity system

All dimensions are in mm; tolerances acc. ISO 2768 m-H

Properties
Heavy Duty 1000 is a robust is for use in industrial or outdoor applications with 12 fibers and optional electrical contacts.
Hermaphrodite threaded coupling mechanism – two connectors or a connector and a receptacle can be coupled.
Mated or with attached protection cap, the connector is sealed according to EN 60529 IP7. A front removable element with integrated alignment sleeves allows easy cleaning. For additional mechanical protection, a cover made of leather is available.

Interface
No Standard

Material for connectors
Ferrule/alignment: Zirconia ceramic,
Body: POM and flash white bronze plated Brass
Sealing elements: Silicon Rubber

Optical contacts (ferrules)
12 X Ø2.5 mm (APC possible)

Optical data
Typical max.
Insertion Loss: 0.30 dB 0.60 dB
Return Loss: S/M ≥ 45 dB(PC) ≥ 65 dB(APC)
M/M ≥ 20 dB

Mechanical data
Mating cycle ≥ 1000

Environmental data
Operation temperature range -40°C to +85°C
Storage temperature range -40°C to +85°C

Limitations are possible due to the used cable type

RoHS Compliant

Connector with leather

Rosenberger-OSI GmbH & Co. OHG
Tel.: +49 821 249249-0
www.rosenberger.com/osi; E-Mail: info-osi@rosenberger.com
Technical Data Sheet

Heavy Duty 1000  Connectivity system

Suitable cables

Fiber
S/M, G652D, G657A1, G657A2
M/M, 62.5/125µm, 50/125µm OM2, OM3 and OM4
Ø 6 – 16 mm (Breakout or Loose Tube)
Simplex cable Ø 1.7 or 2.1mm

Round Cable Types:

Receptacle cords:

Receptacle

Rectangular flange □ 50 mm or Jam nut receptacle Ø 37 mm.

Packaging

Standard Packaging.

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.