

# FiberTech® SMA500L ModeStrip laser cables

liquid-cooled



CLS□□□□IR08/08.0bl26/26-□□□□cm100

## Description

Laser cable with F-SMA freestanding fiber connectors and PVC coated, steel-armored protection tube.

Copper based high-accuracy fiber ferrule for effective heat removal and high fiber centricity. Integrated liquid-cooled cladding-ModeStripper. Applicable for laser beam delivery of up to 500 W.

## Properties / Composition

- VIS-IR all-silica (silica/silica) step-index fiber with NA = 0.22  
NA = 0.12 on request  
Graded-index fiber on request
- SMA905 (F-SMA) connector with free-standing fiber tip, hex nut
- Keyed SMA905 (F-SMA) connectors on request
- All copper alloy parts for improved heat removal
- Fiber centricity < 5 μm fiber core to ferrule
- Squarelock, blue PVC-coated protection tube
- Metal connector cuffs to cable
- Liquid-cooled ModeStripper for cladding mode removal
- Electrical isolation from end to end
- Average laser power up to 500 W

Fiber core Ø [μm]	Cable length [m]	Type designation	Order no.
100	2	CLS0100IR08/08.0bl26/26-0200cm100	FCL26-10200-2000
200		CLS0200IR08/08.0bl26/26-0200cm100	FCL26-20200-2000
400		CLS0400IR08/08.0bl26/26-0200cm100	FCL26-40200-2000
100	3	CLS0100IR08/08.0bl26/26-0300cm100	FCL26-10300-2000
200		CLS0200IR08/08.0bl26/26-0300cm100	FCL26-20300-2000
400		CLS0400IR08/08.0 bl26/26-0300cm100	FCL26-40300-2000
100	5	CLS0100IR08/08.0bl26/26-0500cm100	FCL26-10500-2000
200		CLS0200IR08/08.0bl26/26-0500cm100	FCL26-20500-2000
400		CLS0400IR08/08.0bl26/26-0500cm100	FCL26-40500-2000