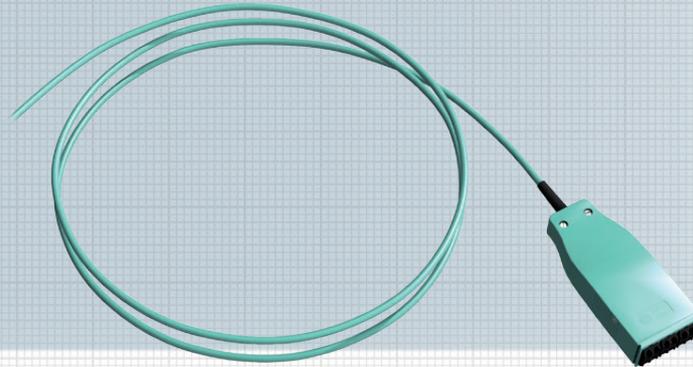# H.D.S. High Density System Fiber optic
12 fiber pigtail

The H.D.S. Fiber optic 12ers pigtail is designed with the different H.D.S. splicing distributors, it is exceptionally qualified for Fiber optic connections in the data cabinet environment or for the connection of consolidation points. The preterminated 12ers pigtails, delivered with test protocols, are designed with six LC duplex connections for 10 Gbit Ethernet transmissions (as per IEEE 802.3). The complete wire bundle is divided in the module housing and connected at the factory directly in the LC duplex modules. This means that an additional connection in the module is not required, achieving significantly lower losses. Depending on the existing infrastructure and the required link length, the user can choose between singlemode OS2 A2 and multimode fibers OM3 and OM4 trunk cables. After the cable installation, the 6-port module is mounted in an H.D.S. rack in the distribution cabinet or floor tank. The system offers different racks for the 19 inch distributor and the floor tank. It is possible to place up to 168 LCD ports on three height units or up to 18 LCD ports in an underfloor installation.

Standards:

IEEE 802.3; IEC 888; 10GBase-SR/SW; DIS14165-111

Specifications:

Cable

Designation	I-D(ZN)H 1x12 xxx
Optical data	OS2 OS2; OM3; OM4
Sheath	FR-LSOH;
Color	OS2 yellow; OM3 aqua; OM4 violet
Fire test	IEC 60332-3
Pull-in force	short term 220N, permanent tensile force 110 N
Bending radius	≥ 20mm

Module

Material	plastic;
Color:	OM4 violet, OM3 aqua; OM2/APC green; OM2/PC blue
Sockets	6 x LC Duplex modules

Designation	Order number
H.D.S. Fiber optic 6x LC-D MM OM4 violet	LH1420P0000
H.D.S. Fiber optic 6x LC-D MM OM3 aqua	LH1320P0000
H.D.S. Fiber optic 6x LC-D SM OS2 blue	LH1020P0000
H.D.S. Fiber optic 6x LC-D APS OS2 green	LH1920P0000