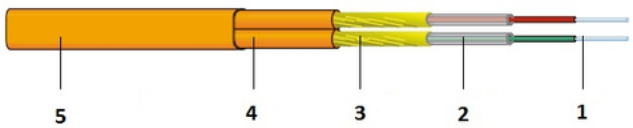
FO Indoor Duplex / I-V(ZN)HH

2.0 mm, LS0H, Euroclass Fca
Semi-tight buffer
flame retardant - IEC 60332.1



1 **Fibre**
2 **Semi-tight buffer**
3 **Aramid yarn**
4 **Single-fibre cable:** 2.0 mm
5 **LS0H sheath**

DESCRIPTION

Robust and flexible fibre optic Duplex cable, based on 2 single-fibre cables 2.0 mm with semi tight buffer 0.9 mm in a common sheath.
Easy handling, easy to strip off.
Flame retardant halogen-free LS0H sheath.
Low fire load.

APPLICATION

Suitable for patch cables between terminal distributors and/or end devices.
For direct termination with connectors.
Can also be spliced in terminal distributors.

OPTICAL PROPERTIES

The cables are available with different types of optical fibre (see fibre data sheets).

MECHANICAL PROPERTIES

Temperature range in operation:	-20 / +60°C IEC 60794-2-10 -10 / +60°C for assembled patch cords
Tensile performance:	IEC 60794-1-21 E1
Crush resistance:	IEC 60794-1-21 E3
Impact:	IEC 60794-1-21 E4
Repeated bending:	IEC 60794-1-21 E6
Torsion:	IEC 60794-1-21 E7
Bend:	IEC 60794-1-21 E11 A

GENERAL PROPERTIES

Sheath colour:	E9/125	yellow or green
	G50/125 OM2	orange
	G50/125 OM3	turquoise
	G50/125 OM4	heather violet

STANDARDS

Reaction to fire (Euroclass)	EN 13501-6: F_{ca}
Imprint	DATWYLER «cable type» «Datwyler designation» «DIN designation» «no. of fibres» «fibre type» «add. text» «batch no.» «meter marks»
Zero halogen, no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2
Flame propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, SEV TP 20B/3C 3.4.1.1
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2

VERSIONS

Article No.	DoP	Product	Reaction to fire (Euroclass)	Number of fibres	Sheath colour	Fibre type	Sheath Ø [mm]	Weight [kg/km]	Bending radius [mm]	Tensile load [N]	Crush resistance short term [N]	Fire load [kWh/m]	PU
19209000FZ		Duplex 2.0 mm	Fca	2	green	E9/125 G.652.D OS2	4.8	20	50	200	3000	0.1	by the metre
19209100FZ		Duplex 2.0	Fca	2	yellow	E9/125	4.8	20	50	200	3000	0.1	by the

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	mm			G.652.D OS2							metre
19209300FZ	Duplex 2.0 Fca mm	2	turquoise	G50/125 OM3	4.8	20	50	200	3000	0.1	by the metre
19293300FZ	Duplex 2.0 Fca mm	2	heather violet	G50/125 OM4	4.8	20	50	200	3000	0.1	by the metre