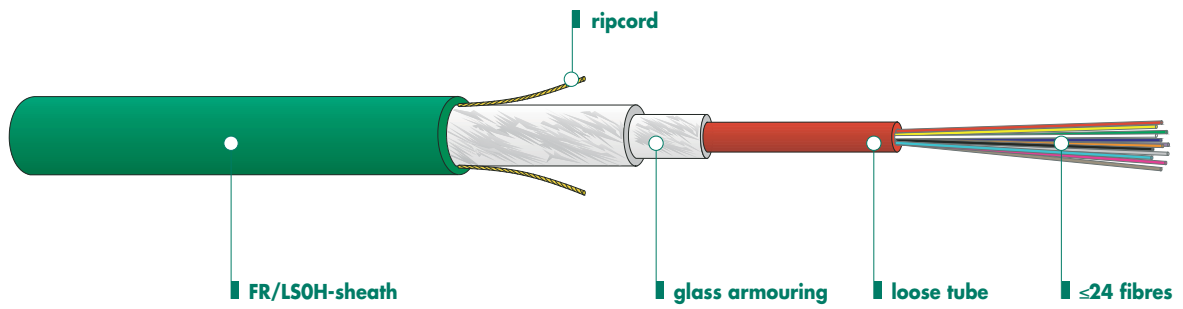




optoversal®
for indoor and outdoor use
 non metallic, dry interstices,
 rodent protected, flame retardant
according to IEC 60332.1 and IEC 60332.3 C

Dätwyler



Product information

Features

Robust, non metallic fibre optic Outdoor- and Indoor cable with stranded loose tube.
 High crush resistance for high transmission reliability.
 Easy handling cable construction by using dry interstices.
 Non metallic rodent protection.
 The 2 coloured ripcords are easy to identify for safe opening of the cable sheath.
 Flame retardant, halogen free FR/LSOH sheath.

Application

LAN Backbone / Access and Riser
 connection cable between main and terminal distributors
 can be laid in ducts, on cable platforms, cable trays and vertical shafts.
 can be spliced in cable terminal distributors.

Optical characteristics

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

Mechanical characteristics

temperature range	storage	-25 / +70°C	EN 60794-1-2 F1
	pulling in	-10 / +50°C	
	operation	-25 / +60°C	
tensile performance		EN 60794-1-2 E1	
crush resistance		EN 60794-1-2 E3	
impact		EN 60794-1-2 E4	
repeated bending		EN 60794-1-2 E6	
torsion		EN 60794-1-2 E7	
bend		EN 60794-1-2 E11	
water penetration		EN 60794-1-2 F5	

General characteristics

Printing Dätwyler Optoversal 12 E9
 C-no. 10865 ~ ~ 4880 m ~ ~

Zero halogen	IEC 60754-2, EN 50267, VDE 0482-267
non corrosive gases	IEC 60332-1, (EN 50265-2-1) New: EN 60332-1,
Flame retardance	(VDE 0482-265-2-1), New: VDE 0482-332-1
Reduced fire propagation	IEC 60332-3 cat. C, EN 50266-2-4, DIN VDE 0482-266-2-4
Minimum smoke emission	IEC 61034, (EN 50268), New: EN 61034,
	(VDE 0482-268), New: VDE 0482-1034

description U-DQ(ZN)BH nxm	no. of fibres max.	loose tube max.	cableØ mm	weight kg/km	bending radius mm	tensile load N	crush resistance		Fire load	
							continuous N/cm	short term N/cm	kWh/km	MJ/km
Optoversal 1x12	12	1	7.6	68	115	1000	200	500	275	990
Optoversal 2x12	24	2	9.5	96	140	1000	200	500	430	1548
Optoversal 1x24	24	1	8.2	79	125	1000	200	500	336	1210

Versions

U-DQ(ZN)BH nxm		fibre	Article No.	Article No.	Article No.	Article No.
description		number	E9/125 G.652.D	G50/125 OM2	G50/125 OM3	G62.5/125 OM1
Optoversal	1 x 4	4	190 203	185 938	185 989	185 590
Optoversal	1 x 6	6	190 204	186 459	190 112	186 355
Optoversal	1 x 8	8	190 205	186 300	185 959	185 934
Optoversal	1 x 12	12	190 077	185 935	186 350	186 005
Optoversal	2 x 12	24	190 071	186 356	186 432	186 487
Optoversal	1 x 24	24	190 206	186 595	on request	on request
Optoversal-Hybrid*	1 x 12 E9+1 x 12 G50	24	186 496	186 496	-	-

** 12 fibres E9 in the red loose tube
 12 fibres G50 in the green loose tube