

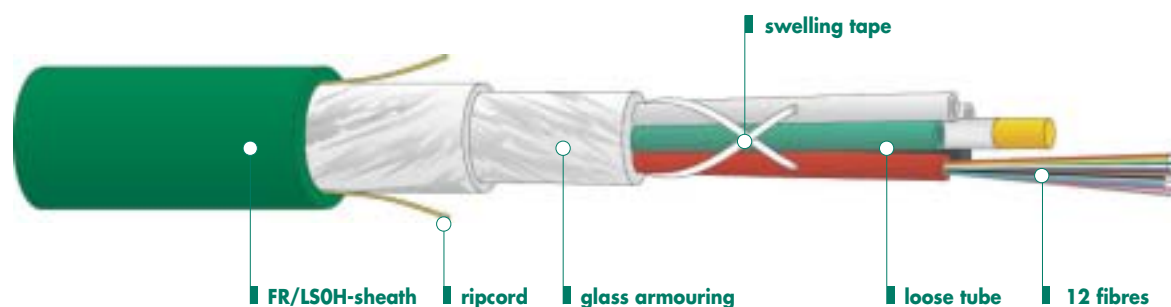


Optoversal

for indoor and outdoor use

nonmetallic, dry interstices,
rodent protected, flame retardant
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 tubes.
High crush resistance for high transmission reliability.
Easy handling cable construction by using dry interstices.
Non metallic rodent protection.
The 2 coloured ripcord are easy to identify for safe opening of the cable sheath.
Flame retardant, halogen free FR/LSOH sheath.

Application

LAN Backbone
connection cable between main and terminal distributors
can be laid in ducts, cable platforms cable trays and vertical cable 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 96 E9
C-no. 10870 ~ ~ 4660 m ~ ~

Zero halogen, non-corrosive gasses	(DIN VDE 0472-813) new: DIN VDE 0482-267, EN 50267 (CENELEC HD 602), IEC 60754-2
Self-extinguishing	(DIN VDE 0472-804) new: DIN VDE 0482-265, EN 50265 (CENELEC HD 405.1), IEC 60332-1
Minimum fire propagation	DIN VDE 0472-804/testing method C, CENELEC HD 405.3, IEC 60332-3 cat. C
Minimal smoke	(DIN VDE 0472-816) new: DIN VDE 0482-268, EN 50268 (CENELEC HD 606), IEC 61034

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	5x12	60	5	11.4	148	175	6000	300	500	616	2218
Optoversal	6x12	72	6	12.2	164	185	6000	300	500	681	2452
Optoversal	8x12	96	8	13.5	186	205	6000	300	500	808	3200
Optoversal	10x12	120	10	14.8	219	225	6000	300	500	936	2909
Optoversal	12x12	144	12	16.3	268	245	6000	300	500	1075	3870

Versions

U-DQ(ZN)BH nxm		fibre	Article No.	Article No.	Article No.
description		number	E9/125	G50/125	G62.5/125
Optoversal	5 x 12	60	186 444	on request	on request
Optoversal	6 x 12	72	on request	on request	on request
Optoversal	8 x 12	96	on request	on request	on request
Optoversal	10 x 12	120	on request	on request	on request
Optoversal	12 x 12	144	186 398	on request	on request