



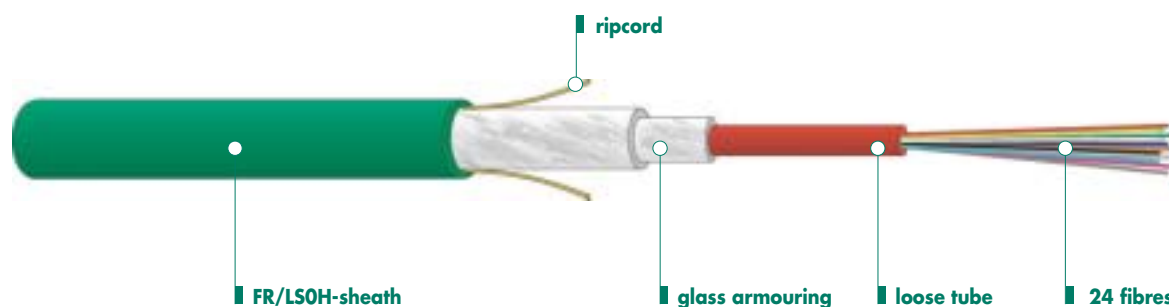
Optoversal

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
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, 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 | 1x12 | 12 | 1 | 7.6 | 68 | 115 | 1000 | 200 | 500 | 275 | 990 |
| Optoversal | 2x12 | 24 | 2 | 9.5 | 95 | 140 | 1000 | 200 | 500 | 430 | 1548 |
| Optoversal | 1x24 | 24 | 1 | 8.2 | 73 | 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 | G50/125 | G50/125 OM-3 | G62.5/125 |
| Optoversal | 1 x 4 | 4 | 185 458 | 185 938 | 185 989 | 185 590 |
| Optoversal | 1 x 6 | 6 | 185 508 | 186 459 | auf Anfrage | 186 355 |
| Optoversal | 1 x 8 | 8 | 185 509 | 186 300 | 185 959 | 185 934 |
| Optoversal | 1 x 12 | 12 | 185 510 | 185 935 | 186 350 | 186 005 |
| Optoversal | 2 x 12 | 24 | 186 378 | 186 356 | 186 432 | 186 487 |
| Optoversal | 1 x 24 | 24 | on request | on request | on request | on request |
| Optoversal/Hybrid | ** 1 x 12 E9+1 x 12 G50 | 24 | 186 460 | 186 460 | - | - |

** 12 fibres E9 in the red loose tube

12 fibres G50 the green loose tube