optofil®

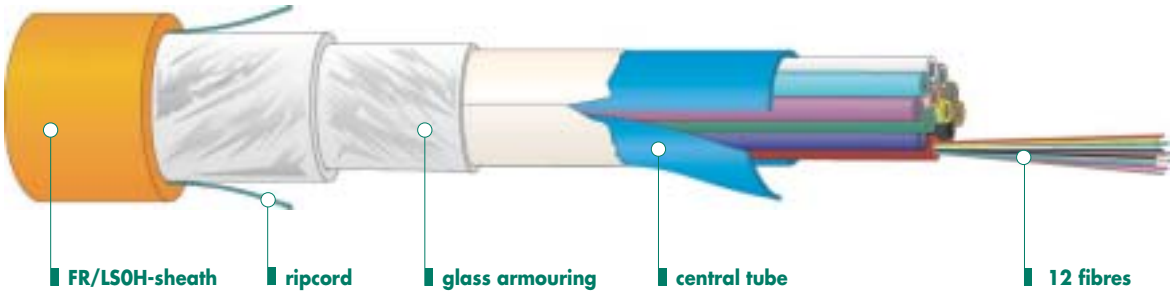
Communication technology

Optofil-Indoor cable

QBAC (Quick Branch And Connect)

Easy installation completely dry cable construction,
nonmetallic, mini-bundle, central tube design,
flame retardant to IEC 60332.1 and IEC 60332.3 C

Dätwyler



Product information

Features

Fibre optic Indoor cable for flexible fibre management.
Easy handling cable construction by using dry interstices.
Non metallic rodent resistant.
The 2 coloured ripcords are easy to identify for safe opening of the cable sheath.
Flame retardant and halogen free due to the FR/LSOH cable sheath.

Application

Laying in risers. Can be laid in floor or in wall ducts.
Complex cabletrays and vertical cable shafts.

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	-10 / +60°C
tensile performance		EN 60794-1-2 E1
crush resistance		EN 60794-1-2 E3
repeated bending		EN 60794-1-2 E6
torsion		EN 60794-1-2 E7
bend		EN 60794-1-2 E11

general characteristics

Printing: Dätwyler Optofil 12x12 G50 QBAC Indoor
C-no. 10858 ~ ~ 3630 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 I-M(ZN)BH nxm		no. of fibres max.	loose tube max.	cableØ mm	weight kg/km	bending radius mm	tensile load N	crush resistance continuous N/cm	crush resistance short term N/km	Fire load kWh/km	Fire load MJ/km
Optofil-I QBAC	12x4	48	12	11.8	154	150	1000	10	100	668	2405
Optofil-I QBAC	12x8	96	12	13.0	185	160	1000	10	100	804	2895
Optofil-I QBAC	12x12	144	12	13.6	200	165	1000	10	100	838	3017

Dätwyler

Optofil-Indoor cable

QBAC (Quick Branch And Connect)

Easy installation completely dry cable construction, nonmetallic, mini-bundle, central tube design, flame retardant to IEC 60332.1 and IEC 60332.3 C

optofil®

Communication technology

Versions

I-M(ZN)BH nxm		fibre	Article No.	Article No.	Article No.
description		number	E9/125	G50/125	G62.5/125
Optofil-I QBAC	12x4	48	on request	on request	on request
Optofil-I QBAC	12x8	96	on request	on request	on request
Optofil-I QBAC	12x12	144	on request	on request	on request

Technical changes reserved.

Instruction manual

1.

Mark the cut back length on the cable sheath with a pencil or a cable stripping knife.

Make radial cuts, with a cable stripping knife, on both sides of the sheath approx. 10 cm

Open the sheath by means of the ripcords. Cut back the sheath, glass armouring, ripcords and the foil.

2.

Hold the central tube with both hands and twist it softly about 90 degrees.

3.

Press the central tube, carefully, below the break section with the thumb.

4.

Open the cover of the central tube at the site of fracture and cut it back.

5.

The cable is now prepared for further processing.