



fiber optic universal cables

U-DQ(ZN)BH - n x OM3 / OM4 / OS2

- primary coated fibers, 245 µm Ø
- central loose tube
- non-metallic rodent protection (glass rovings)
- flame retardant and non corrosive (FRNC)
- CPRclass Dca - s2, d2, a1 acc. to EN50575

FRNC

Dca

Cables designed for outdoor/indoor installation in buildings and plants. Their improved fire resistance made them particularly suitable for high-rises, hospitals and department stores, as well as buildings with public accessibility. The primary-coated fibres, 245 µm Ø, run in a jelly-filled central bundle core, surrounded by a layer of glass-rovings with admixed swelling material and a sheath from FRNC material. Outdoors, the cables must be laid in a protective tube.

design

cable core	loose tube, gel filled
core colour	yellow (E9/125), green (G50/125) and blue (G62,5/125)
armouring	waterabsorbent glass rovings as non-metallic strain relief elements and as rodent protection
outer jacket	FRNC, yellow
overall diameter	7.0 mm

properties

tensile strength	1750 N
crush resistance	1500 N/dm
min. bending radius	
installation operation	20x overall diameter
temperature range	15x overall diameter
storage	-25°C / +70°C
installation operation	-5°C / +50°C
operation	-20°C / +60°C
halogen-free	IEC 60754-2
flame retardancy	IEC 60332-1 and IEC 60332-3-24
smoke density	acc. to IEC 61034
heat of combustion	0.71 MJ/m (0.79 MJ/m at 24 fibers)

order code	no. of fibers	fiber type µm	fiber category	cable color	weight kg/m
F-UZ04M5H-D	4	Multimode 50/125	OM3 BI	yellow	0.06
F-UZ04N5H-D	4	Multimode 50/125	OM4 BI	yellow	0.06
F-UZ04S1H-D	4	Single-Mode 9/125	OS2	yellow	0.06
F-UZ08M5H-D	8	Multimode 50/125	OM3 BI	yellow	0.06
F-UZ08N5H-D	8	Multimode 50/125	OM4 BI	yellow	0.06
F-UZ08S1H-D	8	Single-Mode 9/125	OS2	yellow	0.06

technical specifications are subject to change