FO Universal Cable A/I-DQ(ZN)BH 12x 9/125µm OS2, LS0H, Dca

nonmetallic rodent protection, black, 6mm, 1250N

SCHRACK- Info

- For indoor- and outdoor- use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. Support of all computer network applications, e.g. FDDI, Gigabit Ethernet and ATM.
- Easy to install in ducts, tunnels and trenches.
- UV-resistant according to ISO 4892-2.

FEATURES AND BENEFITS

- These cables are all dielectric and therefore immune to lightning and electromagnetic interference (EMC-safe), spark-free and requires no earthing.
- Rodent protection.
- Predicted lifetime ≥ 30 years.

Technical Data

Fibre count	12
Net diameter (mm)	5,80
Diameter - Central tube (mm)	3,30
Primary coating (µm)	250 ± 15
Net weight (kg)	0,04
Suitable	Universal cable
Watertightness	longitudinally watertight
Rodent protection	Yes
Predicted lifetime	≥ 30 Years
Cable jacket	LSOH
Euroclass acc. to EN50575	Dca
Smoke production	s2
Droplets	d1
Acidity	a1
Temperature range - Transport/storage (°C)	-30 to +70
Temperature range - Installation (°C)	-5 to +50
Temperature range - Operation (°C)	-30 to +70
Pulling tension - Operation (longterm) (N)	420
Pulling tension - Installation (shortterm) (N)	1250
Bending radii cable - Operation (longterm) (Ø)	10 x Ø
Bending radii cable - Installation (shortterm) (Ø)	20 x Ø
Bending radii for fibres and tubes (mm)	≥ 25
Cable Max. Crush Resistance Operation (longterm) (N/m)	7500
Cable Max. Crush Resistance Installation (shortterm) (N/m)	15000
Mode-Field / Cladding diameter (µm)	9,2 ± 0,4 | 125 ± 0,7
Wavelength (nm)	1310 | 1550 | 1625
Attenuation (dB/km)	0,33 / 0,34 | 0,18 / 0,19| 0,20 / 0,24
Dispersion (ps/nm-km)	≤ 3,2 | ≤ 17
Ethernet performance 1GB (m)	≥ 5000 | - | ≥ 70000 | -
Ethernet performance 10GB (m)	≥ 10000 | - | ≥ 40000 | -
PMD (ps/km)	≤ 0,06
Cable Cutt-off-Wavelength (nm)	≤ 1260
Refractive Index	1,467 | - | 1,467 | 1,467
Fiber	9/125 OS2 Singlemode / G.652.D and G.657.A1
Colour	Black
Diameter (mm)	6
Min. ambient temperature (°C)	-30
Max. ambient temperature (°C)	70

GUIDE TO INSTALLATION AND HANDLING

When laying and installing optical fibre cables it is vitally important not to exceed the specified values set for pulling tension, bending radii and temperature. The installation methods have to be in accordance with the common standards.

To ease insertion into tubes by means of compressed air or pulling wire, certified lubricants (e.g. paraffin) maybe used.

The use of soap or similar substances as lubricants is strictly prohibited.

If a cable needs to be fastened, constrictions ≥ 0.3 mm must be prevented.

The jelly filling inside the tubes can be removed using a tissue soaked in turpentine.

It is advisable to cap the cable-ends during storage.

Article Table

DESCRIPTION	Order No.
FO Universal Cable A/I-DQ(ZN)BH 12x 9/125µm OS2, LS0H, Dca nonmetallic rodent protection, black, 6mm, 1250N	HSFAIBH129
Optional Accessories	
FO Splicebox, 12 Fibers, LC, 9/125µm OS2, 19", 1U, Class B acc. to IEC 61753-1, RAL7035, sliding, pigtails inserted and prepared ready for splicing, PREMIUM	HSELS129LG
FO Splicebox, 12 Fibers, SC, 9/125µm OS2, 19", 1U, Class B acc. to IEC 61753-1, RAL7035, sliding, pigtails inserted and prepared ready for splicing, PREMIUM	HSELS129CG
FO Splicebox, 12 Fibers, FC, 9/125µm OS2, 19", 1U RAL7035, sliding, pigtails inserted and prepared ready for splicing, PREMIUM	HSELS129FG
Back to back cable tie black 16mm x 4m	Q7KB0416-S
Back to back cable tie blue 16mm x 4m	Q7KB0416-B
Back to back cable tie red 16mm x 4m	Q7KB0416-R
Back to back cable tie yellow 16mm x 4m	Q7KB0416-Y
Back to back cable tie green 16mm x 4m	Q7KB0416-U