

Data Sheet for Article: HSEAIBH043

FO Universal Cable A/I-DQ(ZN)BH 4x50/125µm OM3, LSOH-3, Dca

nonmetallic rodent protection, black, 8mm, 5000N



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.
- Suitable for direct burial.
- Easy to install in ducts, tunnels and trenches.

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	4
Net diameter (mm)	7,90
Diameter - Central tube (mm)	4
Primary coating (µm)	250 ± 15
Net weight (kg)	0,07
Suitable	Universal cable
Watertightness	Yes
Rodent protection	Yes
Predicted lifetime	> 30 Years
Crush resistance (N/m)	≤ 10000
Cable jacket	LS0H-3
Flame retardancy	Pass
Halogen-free	Yes
Smoke Density	Pass
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)	≤ 2500
Pulling tension - Installation (shortterm) (N)	≤ 5000
Bending radii cable - Operation (longterm) (Ø)	10 x Ø
Bending radii cable - Installation (shortterm) (Ø)	15 x Ø
Bending radii for fibres and tubes (mm)	> 25
Mode-Field / Cladding diameter (µm)	50 ± 2,5 125 ± 1
Wavelength (nm)	850 1300
Attenuation (dB/km)	2,5 / 3,0 0,5 / 1,0
Bandwidth (MHz*km)	≥ 1500 ≥ 500
Ethernet performance 1GB (m)	900 550
Ethernet performance 10GB (m)	300 300
Numerical aperture	0,20 ± 0,015
Refractive Index	1,482 1,477
Fiber	50/125 OM3 Multimode
Diameter (mm)	4
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 4x50/125µm OM3, LS0H-3, Dca nonmetallic rodent protection, black, 8mm, 5000N	HSEAIBH043
Optional Accessories	
FO Splicebox, 4 Fibers, LC, 50/125µm OM3, 19", 1U, Class B acc. to IEC 61753-1, RAL7035, sliding, pigtails inserted and prepared ready for splicing, PREMIUM	HSELS043LG
FO Splicebox, 4 Fibers, SC, 50/125µm OM3, 19", 1U, Class B acc. to IEC 61753-1, RAL7035, sliding, pigtails inserted and prepared ready for splicing, PREMIUM	HSELS043CG
FO Splicebox, 4 Fibers, ST, 50/125µm OM3, 19", 1U, Class B acc. to IEC 61753-1, RAL7035, sliding, pigtails inserted and prepared ready for splicing, PREMIUM	HSELS043TG
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