

Tehnički list za artikl: HSHAIBH123

Univer.opt.kabel A/I-DQ(ZN)BH 12x50/125µm OM3, LSOH-3, Dca

nemetalna zaštita od glodavaca, FRNC/LSOH, crni, 8mm, 3500N



SCHRACK info

FEATURES AND BENEFITS

- FO universal cable, central loose tube, longitudinally waterproof, with metal-free rodent protection.
- For indoor- and outdoor- use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling.
- Laying outdoors in conduits, on covered cable trays or directly in the ground (in a sand bed).
- Easy to install in ducts, tunnels and trenches.
- According to fiber quality best suited for all applications according to EN 50173-1 (see Table "Network Applications").
- These cables are all dielectric and therefore immune to electromagnetic interference (EMC-safe), spark-free and requires no earthing.
- Predicted lifetime > 30 years.

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 radius 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.



Tehnički podaci

Neto masa (kg)	0,07
Vlakno	multimodno 50/125µm OM3
Vanjski omotač kabela	LSOH-3
Boja	crna
Promjer (mm)	8
Min. temperatura okoline (°C)	-25
Maks. temperatura okoline (°C)	60
Euro-norma prema EN50575	Dca
Razvoj/gustoća dima	s2
Stvaranje gorećih kapljica	d2
Razvoj kiselosti/korozivnost	a1
Promjer oblika polja / okvira (µm)	50 ± 2,5 125 ± 1
Broj vlakana	12
Neto promjer (mm)	7,70
Primarna zaštita (µm)	250 ± 15
Pogodan	Univerzalni kabel
Vodotijesnost	longitudinally watertight
Zaštita od glodavaca	Yes, nonmetallic
Očekivani vijek trajanja	≥ 30 Years
Plast/omotač	LSOH-3, FRNC nach IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-22 Cat.A
Temperaturno područje - Transport/Skladištenje (°C)	-25 to +70
Temperaturno područje - Instalacija (°C)	-5 do +50
Temperaturno područje - Pogon (°C)	-25 do +60
Radijus savijanja kabela - statički (Ø)	15 x Ø
Radijus savijanja kabela - dinamički (Ø)	20 x Ø
Vlačna čvrstoća (maks.) (N)	3500
Cable Max. Crush Resistance Operation (longterm) (N/m)	15000
Cable Max. Crush Resistance Installation (shortterm) (N/m)	30000
Cod boje	according to IEC 60304

Podatkovna tablica: Univer.opt.kabel A/I-DQ(ZN)BH 12x50/ 125µm OM3, LSOH-3, Dca

Schrack kat. broj	HSHAIBHxx3	HSHAIBHxx4	HSHAIBHxx5	HSHAIBHxx9
Tip vlakna	G50/125	G50/125	G50/125	E9/125
Kvaliteta vlakna prema ITU-T	G651.1	G651.1	G651.1	G652.D + G657.A1
Kategorija vlakna	OM3	OM4	OM5	OS2
Koeficijent prigušenja				
dB/km pri 850 nm	max. 2.5	max. 2.5	max. 2.5	-
dB/km pri 953 nm	-	-	max. 1.8	-
dB/km pri 1300 nm	max. 0.7	max. 0.7	max. 0.7	-
dB/km pri 1310 nm	-	-	-	max. 0.36
dB/km pri 1383 nm	-	-	-	max. 0.36
dB/km pri 1550 nm	-	-	-	max. 0.22
dB/km pri 1625 nm				max. 0.22
Pojasna širina				
MHz x km pri 850 nm	min. 1500	min. 3500	min. 3500	-
MHz x km pri 953 nm	-	-	min. 1850	-
MHz x km pri 1300 nm	min. 500	min. 500	min. 500	-
Laser-Bandwidth				
MHz x km at 850 nm	min. 2000	min. 4700	min. 4700	-
MHz x km at 953 nm	-	-	min. 2470	-
Disperzija				
pri 1310 nm	-	-	-	max. 3.5ps/nm x km
pri 1550 nm	-	-	-	max. 18ps/nm x km
Zero Dispersion Wavelength	-	-	-	$1302 \leq \lambda_0 \leq 1322$
Zero Dispersion Slope	-	-	-	$\leq 0.092 \text{ ps/nm}^2 \times \text{km}$
PMD				
Vlakno	-	-	-	$\leq 0.1 \text{ ps}/\sqrt{\text{km}}$
Link	-	-	-	$\leq 0.06 \text{ ps}/\sqrt{\text{km}}$
Segment length for Gigabit Ethernet				
at 850 nm (1000 BASE SX)	900 m	1000 m	1000 m	-
at 1300 nm (1000 BASE LX)	550 m	550 m	550 m	-
at 1310 nm	-	-	-	5000 m
Segment length for 10 Gigabit Ethernet				
at 850 nm (10G BASE-SR/SW)	300 m	550 m	550 m	-
at 1300 nm (10G BASE-LX4)	300 m	300 m	300 m	-
at 1310 nm	-	-	-	10000 m
at 1550 nm (10G BASE-ER/EW)	-	-	-	40000m
Segment length for 40 Gigabit Ethernet				
at 850 nm 40 GBASE-SR4	100 m	150 m	150 m	-
at 1310 nm 40 GBASE-LR4	-	-	-	10000 m
at 850 nm – 953 nm 40G-SWDM4	240m	350 m	440 m	-
Segment length for 100 Gigabit Ethernet				
at 850 nm 100 GBASE-SR10	100 m	150 m	150 m	-
at 1310 nm 100 GBASE-LR4	-	-	-	10000 m
at 1550 nm 100 GBASE-ER4	-	-	-	40000 m

at 850 nm – 953 nm 100G-SWDM4	75 m	100 m	150 m	-
Numerical aperture				
Nominal value	0.20	0.20	0.20	0.12
Refractive index (nominal value)				
at 850 nm	1.483	1.483	1.483	-
at 1300 nm	1.478	1.478	1.478	-
at 1310 nm	-	-	-	1.467
at 1550 nm	-	-	-	1.467
Prüflast	≥ 100 kpsi	≥ 100 kpsi	≥ 100 kpsi	≥ 100 kpsi
	≥ 8.8N	≥ 8.8N	≥ 8.8N	≥ 8.8N

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Beim Verlegen von Glasfaserkabeln dürfen die angegebenen Werte für Zugfestigkeit (max. Zugkraft), Biegeradius und Temperatur nicht überschritten werden. Die Verlegung muss unter Einhaltung der folgenden Regeln erfolgen:

Für das leichtere Einführen in Rohre, mittels Druckluft oder Einziehdraht, können zertifizierte Gleitmittel (z. B. Paraffin) verwendet werden. Die Verwendung von Seife oder ähnlichen Substanzen ist nicht zulässig.

Wenn ein Kabel fixiert werden muss, sind Kontraktionen von mehr als 0,3mm zu vermeiden.

Die Gelfüllung in den Rohren kann mit einem terpeningetränkten Tuch entfernt werden.

Bei Lagerung der Kabel wird empfohlen, die Kabelenden abzudecken.

Tabela artikla

OPIS	KAT. BROJ
Univer.opt.kabel A/I-DQ(ZN)BH 12x50/125µm OM3, LSOH-3, Dca nemetalna zaštita od glodavaca, FRNC/LSOH, crni, 8mm, 3500N	HSHAIBH123
Dodatni pribor	
Opt. razdjelnik, 12 niti, LC,50/125µm OM3, izvlačivi, 19", 1U optički završeci umetnuti i pripremljeni za varenje, 19", 1U, RAL7035, klase B prema IEC 61753-1, PREMIUM	HSELS123LG
Opt. razdjelnik, 12 niti, SC,50/125µm OM3, izvlačivi, 19", 1U optički završeci umetnuti i pripremljeni za varenje, 19", 1U, RAL7035, klase B prema IEC 61753-1, PREMIUM	HSELS123CG
Opt. razdjelnik, 12 niti, ST,50/125µm OM3, izvlačivi, 19", 1U optički završeci umetnuti i pripremljeni za varenje, 19", 1U, RAL7035, klase B prema IEC 61753-1, PREMIUM	HSELS123TG
Čičak vezica crna 16mm x 4m	Q7KB0416-S
Čičak vezica plava 16mm x 4m	Q7KB0416-B
Čičak vezica crvena 16mm x 4m	Q7KB0416-R
Čičak vezica žuta 16mm x 4m	Q7KB0416-Y
Čičak vezica zelena 16mm x 4m	Q7KB0416-U