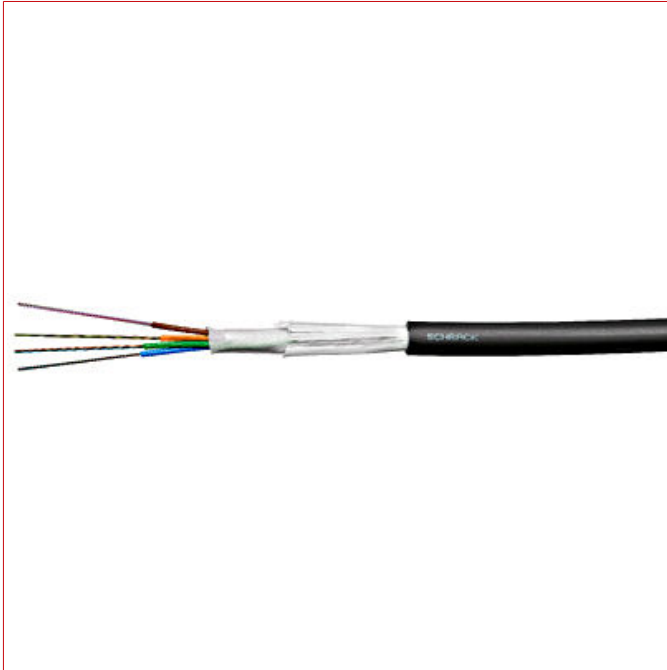


Data Sheet for Article: HSEAIBH489

FO Universal Cable A/I-DQ(ZN)BH 4x12x 9/125µm OS2, LSOH-3

Eca, nonmetallic rodent protection, black, 10.5mm, 3000N



SCHRACK-Info

- For outdoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor and indoor use in networks for industrial, telecom, cable TV and/or broadcast.
- Easy to install in ducts, tunnels and/or tubes.
- 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	4 x 12
Net diameter (mm)	10,50
Primary coating (µm)	250 ± 15

Technical Data - continued

Net weight (kg)	0,13
Suitable	Universal cable
Watertightness	Yes
Rodent protection	Yes
Predicted lifetime	> 30 Years
Crush resistance (N/m)	≤ 10000
Cable jacket	LSOH-3
Flame retardancy	Pass
Halogen-free	Yes
Smoke Density	Pass
Euroclass acc. to EN50575	Eca
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)	≤ 1500
Pulling tension - Installation (shortterm) (N)	≤ 3000
Bending radii cable - Operation (longterm) (Ø)	16,5 x Ø
Bending radii cable - Installation (shortterm) (Ø)	22 x Ø
Bending radii for fibres and tubes (mm)	> 25
Mode-Field / Cladding diameter (µm)	9,2 ± 0,4 125 ± 0,7
Wavelength (nm)	1310 1383 1550 1625
Attenuation (dB/km)	0,34 0,31 0,21 0,24
Dispersion (ps/nm-km)	≤ 3,5 ≤ 18
Ethernet performance 1GB (m)	> 5000 - >70000 -
Ethernet performance 10GB (m)	> 10000 - > 40000 -
PMD (ps/km)	≤ 0,2
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)	10,5
Min. ambient temperature (°C)	-30
Max. ambient temperature (°C)	70

Article Table

DESCRIPTION	Order No.
FO Universal Cable A/I-DQ(ZN)BH 4x12x 9/125µm OS2, LS0H-3 Eca, nonmetallic rodent protection, black, 10.5mm, 3000N	HSEAIBH489
Optional Accessories	
FO Splicebox, 48 Fibers, LC, 9/125µm OS2, 19", 1U, Class C acc. to IEC 61753-1, RAL7035, sliding, Pigtailed included, CLASSIC	HSELS489LP
FO Splicebox, 48 Fibers, LC/APC, 9/125µm OS2, 19", 1U, Class C acc. to IEC 61753-1, RAL7035, sliding, Pigtailed included, CLASSIC	HSELS489MP
FO Splicebox, 48 Fibers, SC, 9/125µm OS2, 19", 1U, Class C acc. to IEC 61753-1, RAL7035, sliding, Pigtailed included, CLASSIC	HSELS489CP
FO Splicebox, 48 Fibers, SC/APC, 9/125µm OS2, 19", 1U, Class C acc. to IEC 61753-1, RAL7035, sliding, Pigtailed included, CLASSIC	HSELS489DP
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