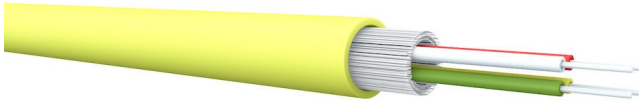


## AXAI-I/O-W LSHF-FR ES9

Tight buffer, indoor/Outdoor, Flexible



### GENERAL INFO

Flexible backbone cable which are suitable for LAN and WAN and is intended for both indoor and outdoor installations. Robust metal-free cable with a temperature range adapted to Norwegian conditions. UV-stabilized outer jacket, dry core with swelling agent to prevent longitudinal water ingress. The cable can be installed in pipes, ducts and on cable ladders. Glass yarn ensures good tensile strength, while providing very good bending properties. The cable features the Drakas ES9 tight buffer, which provides very good stripping properties, in addition to being flexible and easy to handle when splicing and terminating the cable. Available with Draka BendBright fiber quality.

### CERTIFICATIONS AND DESIGN STANDARDS



**IEC 60794-1**  
**IEC 60794-2**  
**EN 50173-1**  
**ISO/IEC 11801**  
**IEC 60794-2-20**

Optical fibre cables, test methods  
Optical fibre cables, indoor cables specifications  
Generic cabling systems  
Generic cabling system  
Optical fibre cables, indoor cables, multi-fiber

## CABLE CONSTRUCTION

Longitudinal water blocking cable	Yes
Material outer sheath	Thermoplastic polymer
Type of tube	Tight
Buffer type	ES9
Cable metal free	Yes
Cable shape	Round

## APPLICATION PROPERTIES

With strain relief	Yes
Min. outer temperature, fixed installation [°C]	-40
Max. outer temperature, fixed installation [°C]	70
Torsion (acc. IEC 60794-1-21, E7)	5x +/- 1 turn
Crush (acc. IEC 60794-1-21, E3) [N/10cm]	750
UV resistant	Yes
Outdoor installation	Yes
Min. outer temperature during installation [°C]	-15
Max. outer temperature during installation [°C]	60
Kink, no kink at loop diameter (acc. IEC 60794-1-21 E10) [mm]	102
Duct suitable	Yes
Bending radius (rule)	No tension: 10xD With tension: 20xD

## FIRE PROPERTIES

Flame retardant	In accordance with EN/IEC 60332-3-24
Halogen free (acc. IEC 60754-2)	Yes
Low smoke (acc. IEC 61034-2)	Yes
Reaction-to-fire class (acc. EN 13501-6)	Dca
Smoke development class (acc. EN 13501-6)	s2
Euro class flaming droplets/particles (acc. EN 13501-6)	d2
Euro class acidity (acc. EN 13501-6)	a1

## PRODUCT ORDER DATA

Product name	Colour outer sheath	SAP	EL no.	Packaging type
G2-9/125 AXAI-I/O-W(ES9) YL	Yellow	60019552	1080945	Drum
G4-9/125 AXAI-I/O-W(ES9) YL	Yellow	60019553	1080110	Drum
G8-9/125 AXAI-I/O-W(ES9) YL	Yellow	60019554	1080112	Drum
G12-9/125 AXAI-I/O-W(ES9) YL	Yellow	60019555	1080113	Drum
G24-9/125 AXAI-I/O-W(ES9) YL	Yellow	60019556	1080115	Drum
G2-50/OM2BB AXAI-I/O-W(ES9) OR	Orange	60019574	1080946	Drum
G4-50/OM2BB AXAI-I/O-W(ES9) OR	Orange	60019575	1080116	Drum
G8-50/OM2BB AXAI-I/O-W(ES9) OR	Orange	60019576	1080117	Drum
G12-50/OM2BB AXAI-I/O-W(ES9) OR	Orange	60019577	1080118	Drum
G24-50/OM2BB AXAI-I/O-W(ES9) OR	Orange	60019578	1080119	Drum
G2-50/OM3BB AXAI-I/O-W(ES9) AQ	Turquoise	60019487	1082707	Drum
G4-50/OM3BB AXAI-I/O-W(ES9) AQ	Turquoise	60019488	1082708	Drum
G8-50/OM3BB AXAI-I/O-W(ES9) AQ	Turquoise	60019489	1080001	Drum
G12-50/OM3BB AXAI-I/O-W(ES9) AQ	Turquoise	60019490	1080006	Drum
G24-50/OM3BB AXAI-I/O-W(ES9) AQ	Turquoise	60019491	1080008	Drum
G4-50/OM4BB AXAI-I/O-W(ES9) VT 4003	Purple	60066742	1082727	Drum
G8-50/OM4BB AXAI-I/O-W(ES9) VT 4003	Purple	60066743	1082728	Drum
G12-50/OM4BB AXAI-I/O-W(ES9) VT 4003	Purple	60066764	1082729	Drum
G24-50/OM4BB AXAI-I/O-W(ES9) VT 4003	Purple	60065199	1082782	Drum
G2-62.5/125 AXAI-I/O-W(ES9) SL	Grey	60019569	1080947	Drum
G4-62.5/125 AXAI-I/O-W(ES9) SL	Grey	60019570	1080120	Drum
G8-62.5/125 AXAI-I/O-W(ES9) SL	Grey	60019571	1080122	Drum
G12-62.5/125 AXAI-I/O-W(ES9) SL	Grey	60019572	1080123	Drum
G24-62.5/125 AXAI-I/O-W(ES9) SL	Grey	60019573	1080124	Drum

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## CABLE PROPERTIES 01(PER ITEM)

Product name	Nominal outer diameter [mm]	Fire load [MJ/km]	Max. tensile strength during installation [kN]	Cable weight [kg/km]	DOP number	SAP
G2-9/125 AXAI-I/O-W(ES9) YL	4.6	210	0.325	19	1005410	60019552
G4-9/125 AXAI-I/O-W(ES9) YL	5.2	310	0.44	31	1004237	60019553
G8-9/125 AXAI-I/O-W(ES9) YL	6	560	0.68	38	1004238	60019554
G12-9/125 AXAI-I/O-W(ES9) YL	7	765	0.9	51	1004239	60019555
G24-9/125 AXAI-I/O-W(ES9) YL	8.5	1,240	1.4	75	1004240	60019556
G2-50/OM2BB AXAI-I/O-W(ES9) OR	4.6	210	0.325	19	1005750	60019574
G4-50/OM2BB AXAI-I/O-W(ES9) OR	5.2	310	0.44	31	1006302	60019575
G8-50/OM2BB AXAI-I/O-W(ES9) OR	6	560	0.68	38	1004242	60019576
G12-50/OM2BB AXAI-I/O-W(ES9) OR	7	765	0.9	51	1004773	60019577
G24-50/OM2BB AXAI-I/O-W(ES9) OR	8.5	1,240	1.4	75		60019578
G2-50/OM3BB AXAI-I/O-W(ES9) AQ	4.6	210	0.325	19		60019487
G4-50/OM3BB AXAI-I/O-W(ES9) AQ	5.2	310	0.44	31	1004236	60019488
G8-50/OM3BB AXAI-I/O-W(ES9) AQ	6	560	0.68	38	1004124	60019489
G12-50/OM3BB AXAI-I/O-W(ES9) AQ	7	765	0.9	51	1004768	60019490
G24-50/OM3BB AXAI-I/O-W(ES9) AQ	8.5	1,240	1.4	75	1006579	60019491
G4-50/OM4BB AXAI-I/O-W(ES9) VT 4003	5.2	310	0.44	31		60066742
G8-50/OM4BB AXAI-I/O-W(ES9) VT 4003	6	560	0.68	38	1007112	60066743
G12-50/OM4BB AXAI-I/O-W(ES9) VT 4003	7	765	0.9	51	1007091	60066764
G24-50/OM4BB AXAI-I/O-W(ES9) VT 4003	8.5	1,240	1.4	75	1006317	60065199
G2-62.5/125 AXAI-I/O-W(ES9) SL	4.6	210	0.325	19	1006744	60019569
G4-62.5/125 AXAI-I/O-W(ES9) SL	5.2	310	0.44	31	1004241	60019570
G8-62.5/125 AXAI-I/O-W(ES9) SL	6	560	0.68	38	1004771	60019571
G12-62.5/125 AXAI-I/O-W(ES9) SL	7	765	0.9	51	1004772	60019572
G24-62.5/125 AXAI-I/O-W(ES9) SL	8.5	1,240	1.4	75	1006311	60019573

## CABLE PROPERTIES 02(PER ITEM)

Product name	Fibre type	Number of fibres	Number of fibres per tube	Category (fibre)	Fibre datasheet	SAP
G2-9/125 AXAI-I/O-W(ES9) YL	Single mode 9/125	2	1	OS2	C17	60019552
G4-9/125 AXAI-I/O-W(ES9) YL	Single mode 9/125	4	1	OS2	C17	60019553
G8-9/125 AXAI-I/O-W(ES9) YL	Single mode 9/125	8	1	OS2	C17	60019554
G12-9/125 AXAI-I/O-W(ES9) YL	Single mode 9/125	12	1	OS2	C17	60019555
G24-9/125 AXAI-I/O-W(ES9) YL	Single mode 9/125	24	1	OS2	C17	60019556
G2-50/OM2BB AXAI-I/O-W(ES9) OR	Multi mode 50/125	2	1	OM2	C34	60019574
G4-50/OM2BB AXAI-I/O-W(ES9) OR	Multi mode 50/125	4	1	OM2	C34	60019575
G8-50/OM2BB AXAI-I/O-W(ES9) OR	Multi mode 50/125	8	1	OM2	C34	60019576
G12-50/OM2BB AXAI-I/O-W(ES9) OR	Multi mode 50/125	12	1	OM2	C34	60019577
G24-50/OM2BB AXAI-I/O-W(ES9) OR	Multi mode 50/125	24	1	OM2	C34	60019578
G2-50/OM3BB AXAI-I/O-W(ES9) AQ	Multi mode 50/125	2	1	OM3	C31	60019487
G4-50/OM3BB AXAI-I/O-W(ES9) AQ	Multi mode 50/125	4	1	OM3	C31	60019488
G8-50/OM3BB AXAI-I/O-W(ES9) AQ	Multi mode 50/125	8	1	OM3	C31	60019489
G12-50/OM3BB AXAI-I/O-W(ES9) AQ	Multi mode 50/125	12	1	OM3	C31	60019490
G24-50/OM3BB AXAI-I/O-W(ES9) AQ	Multi mode 50/125	24	1	OM3	C31	60019491
G4-50/OM4BB AXAI-I/O-W(ES9) VT 4003	Multi mode 50/125	4	1	OM4	C32	60066742
G8-50/OM4BB AXAI-I/O-W(ES9) VT 4003	Multi mode 50/125	8	1	OM4	C32	60066743
G12-50/OM4BB AXAI-I/O-W(ES9) VT 4003	Multi mode 50/125	12	1	OM4	C32	60066764
G24-50/OM4BB AXAI-I/O-W(ES9) VT 4003	Multi mode 50/125	24	1	OM4	C32	60065199
G2-62.5/125 AXAI-I/O-W(ES9) SL	Multi mode 62.5/125	2	1	OM1	C02	60019569
G4-62.5/125 AXAI-I/O-W(ES9) SL	Multi mode 62.5/125	4	1	OM1	C02	60019570
G8-62.5/125 AXAI-I/O-W(ES9) SL	Multi mode 62.5/125	8	1	OM1	C02	60019571
G12-62.5/125 AXAI-I/O-W(ES9) SL	Multi mode 62.5/125	12	1	OM1	C02	60019572
G24-62.5/125 AXAI-I/O-W(ES9) SL	Multi mode 62.5/125	24	1	OM1	C02	60019573