

GigaLine® DQ 100 U
 GigaLine® DQ 500 U
 GigaLine® DQ 625 U



Fibre optic universal cable, longitudinally watertight,
 with non-metallic rodent protection
 KL-U-DQ(ZNS)H n x m G/E ...

Structure:

Filled loose tube, central or stranded, water blocking
 tape, non-metallic rodent protection.
 Sheath: halogen-free compound, colour: yellow

Field of application:

Campus/backbone cabling, suitable for splicing, indoor
 installation in the case of increased mechanical
 requirements and danger through rodents, outdoor
 installation in dry tubes, house lead-ins possible with-
 out additional transfer points (splices).

Dimen- sions	Outer ø mm (approx.)	Weight kg/km (approx.)	Tensile strength N (approx.)	Transverse compression strength		Fire load		Article number			
				permanent N/cm (max.)	short-term N/cm (max.)	MJ/m (approx.)	kWh/m (approx.)	G 50/125	G 50/125 OM3	G 62.5/125	E 9...10/125
1 x 2	9.2	85	2500	200	500	1.00	0.30	8UA20001	8UA50001	8UB70001	8UC70001
1 x 4	9.2	85	2500	200	500	1.00	0.30	8UA20002	8UA50002	8UB70002	8UC70002
1 x 6	9.2	85	2500	200	500	1.00	0.30	8UA20003	8UA50003	8UB70003	8UC70003
1 x 8	9.2	85	2500	200	500	1.00	0.30	8UA20004	8UA50004	8UB70004	8UC70004
1 x 10	9.2	85	2500	200	500	1.00	0.30	8UA20005	8UA50005	8UB70005	8UC70005
1 x 12	9.2	85	2500	200	500	1.00	0.30	8UA20006	8UA50006	8UB70006	8UC70006
1 x 16	9.7	90	2500	200	500	1.10	0.32	8UA20007	8UA50007	8UB70007	8UC70007
1 x 20	9.7	90	2500	200	500	1.10	0.32	8UA20008	8UA50008	8UB70008	8UC70008
1 x 24	9.7	90	2500	200	500	1.10	0.32	8UA20009	8UA50009	8UB70009	8UC70009
2 x 8	13.1	175	6000	200	500	2.84	0.79	8UA20N01	8UA50N01	8UB70N01	8UC70N01
2 x 10	13.1	175	6000	200	500	2.84	0.79	8UA20N02	8UA50N02	8UB70N02	8UC70N02
3 x 10	13.1	175	6000	200	500	2.84	0.79	8UA20N03	8UA50N03	8UB70N03	8UC70N03
4 x 10	13.1	175	6000	200	500	2.84	0.79	8UA20N04	8UA50N04	8UB70N04	8UC70N04
5 x 10	13.1	175	6000	200	500	2.84	0.79	8UA20N05	8UA50N05	8UB70N05	8UC70N05
2 x 12	13.1	175	6000	200	500	2.84	0.79	8UA20N06	8UA50N06	8UB70N06	8UC70N06
3 x 12	13.1	175	6000	200	500	2.84	0.79	8UA20N07	8UA50N07	8UB70N07	8UC70N07
4 x 12	13.1	175	6000	200	500	2.84	0.79	8UA20N08	8UA50N08	8UB70N08	8UC70N08
5 x 12	13.1	175	6000	200	500	2.84	0.79	8UA20N09	8UA50N09	8UB70N09	8UC70N09
6 x 12	15.4	225	6000	200	500	4.10	1.14	8UA20N10	8UA50N10	8UB70N10	8UC70N10
8 x 12	15.4	225	6000	200	500	4.10	1.14	8UA20N11	8UA50N11	8UB70N11	8UC70N11
10 x 12	16.9	265	6000	200	500	5.14	1.43	8UA20N12	8UA50N12	8UB70N12	8UC70N12
12 x 12	18.7	320	6000	200	500	6.20	1.72	8UA20N13	8UA50N13	8UB70N13	8UC70N13

GigaLine® Fibre optic outdoor cables

GigaLine® DQ 100, 500, 625 N
GigaLine® DQ 100, 500, 625 SR



Excellent performance, robust design but still easy to handle: these are the features of GigaLine® outdoor cables.

GigaLine® outdoor cables were designed for use in city networks and industrial plants and in the campus and backbone area of LAN cabling and meet all demands made on transmission and installation conditions.

Besides the designs with non-metallic rodent protection, the GigaLine® product range also includes versions with a corrugated steel armour.

If neither rodent protection nor mechanical protection are required, there are versions with a simple non-metallic strain relief, alternatively with an easy-to-assemble dry twisted structure or a classical petrolate filling, the latter optionally with a layered sheath as a perfect protection from humidity.

A wide range of additional designs can also be manufactured, for example GigaLine® outdoor cables with steel band or SWA armour or with an additional lead covering as a protection against chemicals.

GigaLine® DQ 100 N
GigaLine® DQ 500 N
GigaLine® DQ 625 N



Fibre optic outdoor cable, longitudinally watertight,
with non-metallic rodent protection
KL-A-DQ(ZNS)2Y n x m G/E ...

Structure:

Filled loose tube, central or stranded, water blocking
tape, non-metallic rodent protection.
Sheath: PE, colour: black, UV-resistant

Field of application:

Outdoor cable for direct ground burial or in tubes,
for MAN (city networks) and LAN (campus/backbone),
suitable for splicing.

Dimensions	Outer ø mm (approx.)	Weight kg/km (approx.)	Tensile strength N (max.)	Transverse compression strength		Fire load		Article number			
				permanent N/cm (max.)	short-term N/cm (max.)	MJ/m (approx.)	kWh/m (approx.)	G 50/125	G 50/125 OM3	G 62,5/125	E 9...10/125
1 x 2	7.9	55	2,500	200	500	1.35	0.38	8AA20001	8AA50001	8AB70001	8AC70001
1 x 4	7.9	55	2,500	200	500	1.35	0.38	8AA20002	8AA50002	8AB70002	8AC70002
1 x 6	7.9	55	2,500	200	500	1.35	0.38	8AA20003	8AA50003	8AB70003	8AC70003
1 x 8	7.9	55	2,500	200	500	1.35	0.38	8AA20004	8AA50004	8AB70004	8AC70004
1 x 10	7.9	55	2,500	200	500	1.35	0.38	8AA20005	8AA50005	8AB70005	8AC70005
1 x 12	7.9	55	2,500	200	500	1.35	0.38	8AA20006	8AA50006	8AB70006	8AC70006
1 x 16	8.5	60	2,500	200	500	1.70	0.47	8AA20007	8AA50007	8AB70007	8AC70007
1 x 20	8.5	60	2,500	200	500	1.70	0.47	8AA20008	8AA50008	8AB70008	8AC70008
1 x 24	8.5	60	2,500	200	500	1.70	0.47	8AA20009	8AA50009	8AB70009	8AC70009
2 x 8	13.1	140	6,000	200	500	4.13	1.15	8AA20N01	8AA50N01	8AB70N01	8AC70N01
2 x 10	13.1	140	6,000	200	500	4.13	1.15	8AA20N02	8AA50N02	8AB70N02	8AC70N02
3 x 10	13.1	140	6,000	200	500	4.13	1.15	8AA20N03	8AA50N03	8AB70N03	8AC70N03
4 x 10	13.1	140	6,000	200	500	4.13	1.15	8AA20N04	8AA50N04	8AB70N04	8AC70N04
5 x 10	13.1	140	6,000	200	500	4.13	1.15	8AA20N05	8AA50N05	8AB70N05	8AC70N05
2 x 12	13.1	140	6,000	200	500	4.13	1.15	8AA20N06	8AA50N06	8AB70N06	8AC70N06
3 x 12	13.1	140	6,000	200	500	4.13	1.15	8AA20N07	8AA50N07	8AB70N07	8AC70N07
4 x 12	13.1	140	6,000	200	500	4.13	1.15	8AA20N08	8AA50N08	8AB70N08	8AC70N08
5 x 12	13.1	140	6,000	200	500	4.13	1.15	8AA20N09	8AA50N09	8AB70N09	8AC70N09
6 x 12	15.4	178	6,000	200	500	5.73	1.59	8AA20N10	8AA50N10	8AB70N10	8AC70N10
8 x 12	15.4	178	6,000	200	500	5.73	1.59	8AA20N11	8AA50N11	8AB70N11	8AC70N11
10 x 12	16.9	211	6,000	200	500	6.87	1.91	8AA20N12	8AA50N12	8AB70N12	8AC70N12
12 x 12	18.7	262	6,000	200	500	8.15	2.26	8AA20N13	8AA50N13	8AB70N13	8AC70N13

GigaLine® DQ 100 SR
 GigaLine® DQ 500 SR
 GigaLine® DQ 625 SR



Fibre optic outdoor cable, longitudinally watertight,
 armoured with corrugated steel sheath
 KL-A-DQ(ZN)2Y(SR)2Y n x m G/E ...

Structure:

Filled loose tube, central or stranded, water blocking
 tape, strain relief
 Inner sheath: PE, armour: corrugated steel sheath
 Outer sheath: PE, colour: black, UV-resistant

Field of application:

Outdoor cable for installing direct ground burial or in
 tubes, for MAN (city networks) and LAN (campus/back-
 bone), suitable for splicing.

Dimens-ions	Outer ø	Weight	Tensile strength	Transverse compression strength		Article number			
				permanent N/cm (max.)	short-term N/cm (max.)	G 50/125	G 50/125 OM3	G 62,5/125	E 9...10/125
	mm (approx.)	kg/km (approx.)	N (max.)						
1 x 2	12,5	135	1,000	100	300	8AA20041	8AA50041	8AB70041	8AC70041
1 x 4	12,5	135	1,000	100	300	8AA20042	8AA50042	8AB70042	8AC70042
1 x 6	12,5	135	1,000	100	300	8AA20043	8AA50043	8AB70043	8AC70043
1 x 8	12,5	135	1,000	100	300	8AA20044	8AA50044	8AB70044	8AC70044
1 x 10	12,5	135	1,000	100	300	8AA20045	8AA50045	8AB70045	8AC70045
1 x 12	12,5	135	1,000	100	300	8AA20046	8AA50046	8AB70046	8AC70046
1 x 16	13,0	140	1,000	100	300	8AA20047	8AA50047	8AB70047	8AC70047
1 x 20	13,0	140	1,000	100	300	8AA20048	8AA50048	8AB70048	8AC70048
1 x 24	13,0	140	1,000	100	300	8AA20049	8AA50049	8AB70049	8AC70049
2 x 8	18,5	270	2,500	100	300	8AA20901	8AA50901	8AB70901	8AC70901
2 x 10	18,5	270	2,500	100	300	8AA20902	8AA50902	8AB70902	8AC70902
3 x 10	18,5	270	2,500	100	300	8AA20903	8AA50903	8AB70903	8AC70903
4 x 10	18,5	270	2,500	100	300	8AA20904	8AA50904	8AB70904	8AC70904
5 x 10	18,5	270	2,500	100	300	8AA20905	8AA50905	8AB70905	8AC70905
2 x 12	18,5	270	2,500	100	300	8AA20906	8AA50906	8AB70906	8AC70906
3 x 12	18,5	270	2,500	100	300	8AA20907	8AA50907	8AB70907	8AC70907
4 x 12	18,5	270	2,500	100	300	8AA20908	8AA50908	8AB70908	8AC70908
5 x 12	18,5	270	2,500	100	300	8AA20909	8AA50909	8AB70909	8AC70909
6 x 12	22,0	365	3,000	100	300	8AA20910	8AA50910	8AB70910	8AC70910
8 x 12	22,0	365	3,000	100	300	8AA20911	8AA50911	8AB70911	8AC70911
10 x 12	23,5	440	4,000	100	300	8AA20912	8AA50912	8AB70912	8AC70912
12 x 12	27,0	545	5,000	100	300	8AA20913	8AA50913	8AB70913	8AC70913