MINICORE OPGW

MiniCore optical cable houses and protects the optical fibres within a central gel-filled stainless steel tube. Aluminium-clad steel and aluminium alloy wires are stranded around the central element in single or multiple layers.

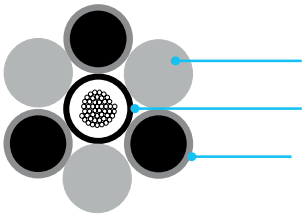
FEATURES

- Optical fibres placed in central stainless steel tube
- Fibre counts up to 96
- Stainless steel tube is gel filled for water resistance and shock absorption
- Compact design with good diameter/cross section relation
- Fully metallic design
- Available as single or multi-layer design

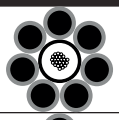
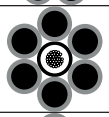
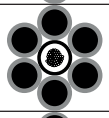
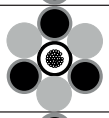
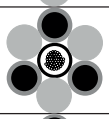
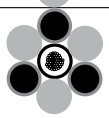
TEMPERATURE

Operating	- 40°C to + 85°C
Storage	- 40°C to + 85°C
Installation	- 30°C to + 50°C

CABLE COMPONENTS

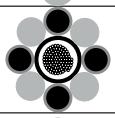
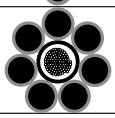


TYPICAL SINGLE LAYER DESIGN

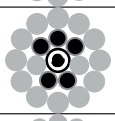
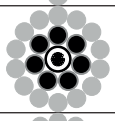
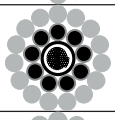
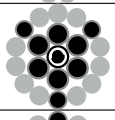
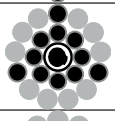
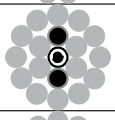
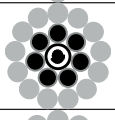
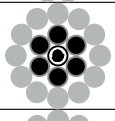
OPGW TYPE	MAXIMUM FIBRE COUNT	CROSS SECTION	DIAMETER (mm)	RTS (kN)	WEIGHT (kg/km)	SHORT CURRENT kA (20-200°C, 1s)
ASLH-D(S)b 24 SMF (27SA 34 - 3.2)	30		8.3	35.3	229	3.3
ASLH-D(S)b 48 SMF (27SA 58 - 5.3)	48		10.5	59.2	374	5.3
ASLH-D(S)b 48 SMF (27SA 75 - 6.9)	72		12.0	77.4	490	6.9
ASLH-D(S)b 48 SMF (AL3 / A20SA 29/29 - 5.3)	48		10.5	43.3	300	5.3
ASLH-D(S)b 48 SMF (AL4 / 27SA 31/31 - 5.8)	48		10.8	40.9	296	5.8
ASLH-D(S)b 48 SMF (AL3 / A20SA 33/33 - 6.0)	60		11.3	49.1	345	6.0

MINICORE OPGW

TYPICAL SINGLE LAYER DESIGNS

OPGW TYPE	MAXIMUM FIBRE COUNT	CROSS SECTION	DIAMETER (mm)	RTS (kN)	WEIGHT (kg/km)	SHORT CURRENT kA (20-200°C, 1s)
ASLH-D(S)b 72 SMF (AL4 / 27SA 38/38 - 7.2)	72		12.0	50.6	367	7.2
ASLH-D(S)b 96 SMF (AL3 / A20SA 25/25 - 4.5)	96		10.2	38.6	278	4.5
ASLH-D(S)b 96 SMF (27SA 51 - 4.3)	96		10.4	52.4	355	4.3
ASLH-D(S)b 96 SMF (A20SA 67 - 5.2)	96		11.6	81.3	498	5.2

TYPICAL DOUBLE LAYER DESIGNS

OPGW TYPE	MAXIMUM FIBRE COUNT	CROSS SECTION	DIAMETER (mm)	RTS (kN)	WEIGHT (kg/km)	SHORT CURRENT kA (20-200°C, 1s)
ASLH-D(S)bb 48 SMF (AL3 / A20SA 96/29 - 12.1)	48		15.0	64.8	494	12.1
ASLH-D(S)bb 48 SMF (AL3 / A20SA 120/35 - 15.1)	72		16.7	80.4	614	15.1
ASLH-D(S)bb 48 SMF (AL4 / A20SA 63/39 - 9.2)	48		13.6	70.2	468	9.2
ASLH-D(S)bb 96 SMF (AL4 / A20SA 65/39 - 9.4)	96		14.0	70.8	493	9.4
ASLH-D(S)bb 48 SMF (AL4 / A20SA 78/82 - 13.4)	48		16.8	120.7	806	13.4
ASLH-D(S)bb 96 SMF (AL4 / A20SA 78/76 - 13.0)	96		16.8	120.3	782	13.0
ASLH-D(S)bb 48 SMF (AL4 / A20SA 201/25 - 23.2)	72		20.0	90.7	774	23.2
ASLH-D(S)bb 48 SMF (AL3 / A20SA 92/49 - 12.9)	72		16.0	90.1	632	12.9
ASLH-D(S)bb 48 SMF (AL3 / A20SA 122/61 - 16.9)	48		18.0	109.7	785	16.9
ASLH-D(S)bb 48 SMF (AL3 / A20SA 208/42 - 24.9)	72		21.0	107.9	906	24.9