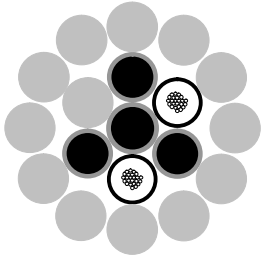


ASLH-D(S)bb 2 x 24 SMF G.657.A1 (AL4 / A20SA 118/37 - 15,0)

Optical Ground Wire (OPGW)

according to EN 60794-4 standards



- Stranding direction of outer layer: right hand (Z-stranding)
- Greasing acc. to EN 50182 A.1 / Grease acc. to EN 50326, type B
- Central wire and first layer greased
- Wires acc. to EN 50183 / EN 61232
- Maximum fibre capacity per steel tube: 48
- Fibres coloured acc. to colour code system 048 F IEC
- Fibres acc. to G.657.A1

Configuration

Center	1 A20SA - Wire	3,50 mm
Layer 1	3 A20SA - Wires	3.40 mm
	1 AL4 - Wire	3.40 mm
	+ 2 Stainless Steel Tubes with 24 SMF G.657.A1	3,00 / 3,40 mm
Layer 2	12 AL4 - Wires	3.40 mm

Mechanical Data

Cable Diameter	17.1 mm
Cable Weight	632 kg/km
Supporting Cross Section	154.9 mm ²
Rated Tensile Strength (RTS)	83.9 kN
Modulus of Elasticity	82.0 kN/mm ²
Thermal Elongation Coefficient	18.3 10 ⁻⁶ /K
Permissible Maximum Working Stress (42% RTS)	227.4 N/mm ² (35,2kN)
Recommended Everyday Stress (16% RTS)	86.6 N/mm ² (13,4kN)
Ultimate Exceptional Stress (72% RTS)	389.8 N/mm ² (60,4kN)

Electrical Data

DC Resistance (20°C)	0.254 Ω/km
Conductivity	43.9% IACS
Short Time Current (1,0s, 20-200°C)	15.0 kA
Short Time Current Capacity I ² t (20-200°C)	225.2 kA ² s

Application

Maximum Permissible Installation Force	25.2 kN
Minimum Bending Radius	static 214 mm
	dynamic 257 mm
Normal Delivery Length	4000 m
Temperature Range	Installation -10 to +50°C
	Transportation and Operation -40 to +80°C