

OPGW Aldrey-Stalum

3_8_2

Aerial ground wire with optical fibres in stranded stainless steel loose tubes

Temperature range

Operating temperature: -40° ... +80°C
 Storage temperature: -40 ... +80°C
 Installation temperature: -5° ... +50°C

LLK-ESnCxAY/yACS

Construction

- Aluminium alloy wires (AY)
- Aluminium clad steel wires (ACS)
- Gel-filled stainless steel loose tubes
- Optical fibres with primary coating

Description

- Stranded stainless steel loose tubes
- Compact design
- High corrosion resistance
- High mechanical and electrical strength
- Connectable with standard dead-ends and suspension fittings

Application

- Optical ground wire (OPGW) for medium to extra high-voltage networks

Standards

EN 50182 Conductors for overhead lines
 IEC 60794 Optical fibre cables
 Additional Information see "Used standards" 3_0_9

Remarks

This cable is available with different fibre types, see data sheets Optical Fibres.
 Identification of loose tubes by colour coded threads.
 Fibre and tube colours see "Colour codes/ properties" 3_0_3.
 Other types on request



Technische Daten

Typ	Anzahl Fasern (max.)	Kabel-ø mm	Gewicht kg/km	Rechnerische Bruchkraft min. kN
50AY/30ACS	60	12,0	≤353	39
95AY/55ACS	108	16,0	≤615	69
120AY/70ACS	120	18,0	≤774	87
129AY/75ACS	144	18,5	≤816	92

Typ	min. Biegeradius mit Zug mm	min. Biegeradius ohne Zug mm
50AY/30ACS	20xD	15xD
95AY/55ACS	20xD	15xD
120AY/70ACS	20xD	15xD
129AY/75ACS	20xD	15xD

Elektrische Daten

Typ	Kurzschlussstrom (0,5 s) kA	Kurzschlussstrom (1,0 s) kA
50AY/30ACS	≥8,6	≥6,2
95AY/55ACS	≥15,3	≥11,0
120AY/70ACS	≥19,3	≥14,0
129AY/75ACS	≥20,4	≥14,7

