

OPGW Aldrey

3_8_1

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

Construction

- Aluminium alloy wires (AY)
- 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
200AY	72	18,3	≤562	51
300AY	108	22,8	≤859	80
350AY	120	24,4	≤993	93
360AY	144	24,4	≤1006	93
400AY	144	25,9	≤1108	104

Typ	min. Biegeradius mit Zug mm	min. Biegeradius ohne Zug mm
200AY	20xD	15xD
300AY	20xD	15xD
350AY	20xD	15xD
360AY	20xD	15xD
400AY	20xD	15xD

Elektrische Daten

Typ	Kurzschlussstrom (0,5 s) kA	Kurzschlussstrom (1,0 s) kA
200AY	≥23,4	≥16,9
300AY	≥36,6	≥26,4
350AY	≥42,5	≥30,7
360AY	≥42,4	≥30,6
400AY	≥47,4	≥34,2

Subject to change without notice

