

1002164	DATA SHEET	
Valid from: 24.10.2018	ÖLFLEX® CLASSIC 115 CH SF	

Application

ÖLFLEX® CLASSIC 110 H SF cables are halogen-free, oil resistant, highly flame retardant power and control cables for occasional flexible use and fixed installation subject to normal mechanical load conditions.

They are also suitable for use in dry or damp areas. They are suitable for outdoor use if the indicated temperature range is observed.

ÖLFLEX® CLASSIC 110 H SF cables are suitable for free and limited continuously recurring movement without tensile load or compulsory guidance. The maximum tensile load is 15 N/mm² of conductor cross-section during installation and operation. The screening braid protects against interference from electrical fields.

Application range: Public buildings, airports, railway stations, plant engineering and construction, air conditioning systems, stage applications and particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards.

Design

Design	based on EN 50525-3-11 resp. VDE 0285-525-3-11 EN 50525-2-51 resp. VDE 0285-525-2-51
Approvals	EN 45545-2: Hazard Level HL1; HL2; HL3
Conductor	extra fine wire strands of bare copper, acc. to IEC 60228 resp. VDE 0295, Class 6
Core isolation	halogen free compound TI6, polyolefin based, acc. to EN 50363-7 resp. VDE 0207-363-7, with increased requirements
Core identification	acc. to VDE 0293-1, with or without GN/YE ground conductor black cores with white numbers acc. to DIN EN 50334 resp. VDE 0293-334
Wrapping	plastic foil
Screen	Braid of tinned copper wires
Outer sheath	halogen free compound HM2, polyolefin based, acc. to DIN VDE 0250-214, with increased requirements colour: black, similar RAL 9005

Electrical properties at 20°C

Specific insulation resistance	> 20 G Ω x cm
Nominal voltage	U ₀ / U: 300 / 500 V
Test voltage	core / core: 4000 V core / screen: 2000 V

Mechanical and thermal properties

Min. bending radius	occasional flexing: 15 x cable diameter fixed installation: 6 x cable diameter
Power chain	Min. bending radius 15 x cable diameter Travelling distance up to 5 m 200.000 – 500.000 bending cycles
Temperature range	occasional flexing: -30 °C up to +70 °C max. conductor temp. fixed installation: -40 °C up to +80 °C max. conductor temp.

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