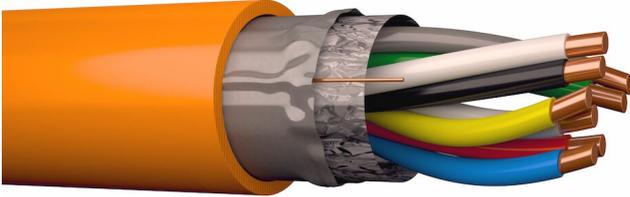


## JE-H(ST)H SIENOPYR E30 FE180 225V

Fire-resistant and screened signal cable for fixed installation



### DESCRIPTION

Fire-resistant, halogen-free and screened signaling cable for indoor fixed installation of fire alarms, detectors and emergency communications systems. During a fire the cable will uphold its circuit integrity for 30 minutes.

JE-H(ST)H E30 225V is registered in the Ecolabel database over building materials, that can be used /included in Svanemærket certified buildings.

### CERTIFICATION, APPROVAL & STANDARD



**IEC 60331-2**

**EN 50200**

**EN 50362**

**ROHS**

**REACH**

Tests for electric cables under fire conditions below 20mm in diameter

Method of test for resistance to fire of unprotected small cables for use in emergency circuits

Fire resistance test - cables for emergency power circuits

RoHS compliance - restriction of hazardous substances directive

Regulation concerning the Registration, Evaluation, Authorisation and Restriction of CHemicals.

### CONSTRUCTION

Conductor material

Copper

Conductor surface

Bare

Core insulation material

Halogenfree polymer

Drain wire

Yes

Screen construction

Metal tape

Screen material

Aluminium

Material outer sheath

Halogenfree polymer

Cable shape

Round

## ELECTRICAL PROPERTIES

Nominal voltage U <sub>0</sub> [V]	225
Nominal mutual capacitance [pF/m]	100
Capacitance unbalance (max) [pF/m]	200

## FIRE PROPERTIES

Circuit integrity	E 30
Insulation integrity	FE 180
Insulation integrity (acc. IEC 60331)	Yes
Self-extinguishing	Yes
Flame retardant	In accordance with EN/IEC 60332-1-2
Halogen free	acc. IEC/EN 60754-1/2
Low smoke	acc. IEC/EN 61034-2

## THERMAL PROPERTIES

Max. conductor temperature [°C]	70
Max. outer temperature, fixed installation [°C]	-30
Permitted cable outer temperature after assembling without vibration (max) [°C]	70
Permitted cable outer temperature during assembling/handling (min) [°C]	-5
Permitted cable outer temperature during assembling/handling (max) [°C]	50

## MECHANICAL PROPERTIES

Bending radius (rule)	During installation with traction 7,5 x D Single bend without traction 2,5 x D
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## APPLICATION PROPERTIES

UV resistant	No
Outdoor installation	No
Underground installation	No
Suitable as telephone cable	Yes
Suitable as computer data cable	Yes
Suitable as signalling cable	Yes

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## DELIVERY INFORMATION

Basic construction	Conductor category	Colour outer sheath	Standard packaging quantity	SAP code	DOP number	EAN-code (GTIN)
2x2x0,8+0,8 mm	Class 1 = solid	Orange	500	20160178		4250248100567
4x2x0,8+0,8 mm	Class 1 = solid	Orange	500	20002235		4250248100550
8x2x0,8+0,8 mm	Class 1 = solid	Orange	500	20002236		4250248100673

## MECHANICAL DATA

Basic construction	Number of cores	AWG size	Diameter conductor [mm]	Nominal outer diameter [mm]	Cable weight [kg/km]	Fire load [MJ/km]	Max. tensile strength during installation [kN]
2x2x0,8+0,8 mm	4		0.8	7.5	68	72	
4x2x0,8+0,8 mm	8		0.8	9.3	107	104	
8x2x0,8+0,8 mm	16		0.8	11.4	174	151	

## ELECTRICAL DATA

Basic construction	Conductor resistance at 20° C [Ohm/km]	Loop resistance [Ohm]	Characteristic impedance [Ohm]	Coupling attenuation [dB]	Nominal operation capacitance [nF/km]
2x2x0,8+0,8 mm	36.6	73.2			100
4x2x0,8+0,8 mm	36.6	73.2			100
8x2x0,8+0,8 mm	36.6	73.2			100