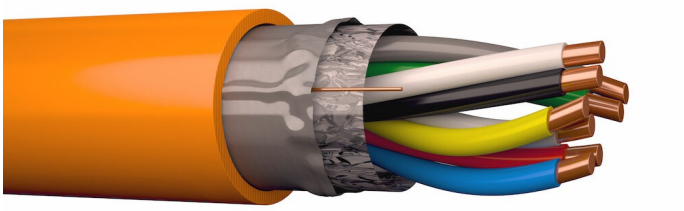
Draka
A Brand of Prysmian Group

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

CE

IEC 60331-2	Tests for electric cables under fire conditions below 20mm in diameter
EN 50200	Method of test for resistance to fire of unprotected small cables for use in emergency circuits
EN 50362	Fire resistance test - cables for emergency power circuits
ROHS	RoHS compliance - restriction of hazardous substances directive
REACH	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

Draka
A Brand of Prysmian Group

ELECTRICAL PROPERTIES

Nominal voltage U0 [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
Permitted cable outer temperature after assembling without vibration (min) [°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

Permanent tensile strength [N]	50
Bending radius (rule)	During installation with traction 7,5 x D Single bend without traction 2,5 x D

APPLICATION PROPERTIES

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

Draka
A Brand of Prysmian Group

DELIVERY INFORMATION

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