

SK DECLARATION OF PARAMETERS

Nr. 03/2016

1. Product type: **Electrical control cables**
2. Product name: **JE-H(St)H...FE180/PS30, JE-H(St)H...FE180/PH90 PS60, JE-H(St)H...FE180/PS90**
3. Slovak norm related to the product: **STN 34 7661: 2012 Products for distribution of electricity, control and communication for purposes of fire safety of buildings. Cables and conductors.**
4. Intended use:
 - **Transfer of electrical signals up to 225 V**
 - **Use in environments with danger of fire. Can be used in normal and wet environment, and installed on a flammable surface.**
 - **Securing of fire resistance of the electrical cable systems in fire for 30, 60 or 90 minutes according to STN 92 0205.**
5. Company name, contact address of the manufacturer and company ID: **ELKOND HHK a.s., Oravická 1228, 028 01 TRSTENÁ, SLOVAK REPUBLIC, Company ID nr. 36382841**
6. System for assessment of parameters: **System IV** according to Ministry of Transport, Construction and Regional Development of the Slovak Republic Decree Nr. 162/2013, which establishes a list of groups of construction products and systems for assessment of parameters: **Item 3601**

7. Declared parameters

Essential properties	Parameter	Test protocols, norms, etc.	Laboratory
Reaction to fire	E _{ca}	00078B/3/2016	1
Specific fire resistance	FE 180 or V	0064B/2007 0065B/2007	1
Resistance in fire	PS*	FIRES-JR-002-10-NURS FIRES-JR-055-09-NURS	2

Laboratory	Name and address of the test laboratory
1	EVPÚ a.s., Trenčianska 19, SK-018 51 Nová Dubnica
2	Fires, s. r. o. Osloboditeľov 282, 059 35 Batizovce

8. Parameters of the product identified in points nr. 1 and 2 are in conformity with parameters declared in the point 7.
9. This SK Declaration of parameters is issued under the sole responsibility of the manufacturer identified in the point nr. 5.

Zdenko Krajč, General Director and Chairman of the Board

.....
(Signature)

Ing. Eva Vaterková, Member of the Board

.....
(Signature)

In Trstená 15.03.2016

Appendix Nr. 1/2 to the SK Declaration of parameters Nr. 03/2016:

Declared parameter “fire resistance” applies to the product only in case of proper installation in the building. Specific permitted cable installation methods classified by a resistance to fire class are listed in the table below.

Table 1 – Classification of fire resistance of cable systems for individual installation methods of cables based on tests according to STN 92 0205

Cable	Installation method	Classification $nx2x \geq 0,8$ $n \geq 1$
JE-H(St)H... FE180	Norm installation in a cable tray	PS 30
	Norm installation on a grid tray	
	Norm installation on separate mounting clips	
	Norm installation on ceiling profile ledges with shackle clips	
	Not standardized installation in a cable tray – BAKS (min. plate thickness 1,2 mm, max. tray width 400 mm, max. support span 1,5 m)	
	Not standardized installation in a wire tray – BAKS (max. tray width 60 mm, max. support span 1,2 m)	
	Not standardized installation in a wire tray – BAKS (max. tray width 400 mm, max. support span 1,2 m)	
	Not standardized installation on a grid tray – BAKS (min. plate thickness 1,5 mm, max. width of the grid tray 400 mm, max. support span 1,5 m)	
	Not standardized installation on separate mounting clips UDF – BAKS (max. support span up to 600 mm)	
	Norm installation in a cable tray	PS 60
	Norm installation on a grid tray	
	Norm installation on separate mounting clips	
	Norm installation on ceiling profile ledges with shackle clips	
	Not standardized installation in a cable tray – BAKS (min. plate thickness 1,2 mm, max. tray width 400 mm, max. support span 1,5 m)	
	Not standardized installation in a cable tray – BAKS (min. plate thickness 1,5 mm, max. tray width 400 mm, max. support span 1,2 m)	
	Not standardized installation in a wire tray – BAKS (max. tray width 60 mm, max. support span 1,2 m)	
	Not standardized installation on a grid tray – BAKS (min. plate thickness 1,5 mm, max. width of the grid tray 400 mm, max. support span 1,5 m)	
	Not standardized installation on separate mounting clips UDF – BAKS (max. support span up to 600 mm)	
	Norm installation in a cable tray	PS 90
	Norm installation on a grid tray	
	Norm installation on separate mounting clips	
	Norm installation on ceiling profile ledges with shackle clips	
	Not standardized installation on a grid tray – BAKS (min. plate thickness 1,5 mm, max. width of the grid tray 400 mm, max. support span 1,5 m)	
	Not standardized installation on separate mounting clips UDF – BAKS (max. support span up to 600 mm)	
Not standardized installation in a cable tray – BAKS (min. plate thickness 1,5 mm, max. tray width 400 mm, max. support span 1,2 m)		
Not standardized installation in a wire tray – BAKS (max. tray width 60 mm, max. support span 1,2 m)		

Appendix Nr. 2/2 to the SK Declaration of parameters Nr. 03/2016:

Table 2 – Classification of fire resistance of cable systems for individual installation methods of cables without testing according to STN 92 0205

Cable	Installation method	Classification
JE-H(St)H... FE180	Norm installation in a cable tray	PS 15
	Norm installation on a grid tray	
	Norm installation on separate mounting clips	
	Norm installation on ceiling profile ledges with shackle clips	
	Placement into a tested cable duct with resistance to fire	PS XX^{*)}
	Placement into a tested installation duct with resistance to fire according to STN EN 1366-5	PS XX^{**)}
	Placement into building constructions (part of the fire ceiling)	PS XX^{***)}
Placement into building constructions (concrete floor)	PS 90	
^{*)} Duration of the fire resistance is equal to time reached by the tested cable duct using standard representative cable products. ^{**)} Duration of the fire resistance is equal to time of the EI fire resistance of the installation duct. ^{***)} Duration of the fire resistance is equal to time of the REI fire resistance of the fire ceiling, but at the most 90 minutes.		

Cable	Norm support constructions according to STN EN 1363-1	Minimal thickness of the building construction	Class of fire resistance PS
		mm	min
JE-H(St)H... FE180	Fixed wall constructions with a high volume weight	150	≥ 30
		175	≥ 60
		200	≥ 90
	Fixed wall constructions with a low volume weight	90	≥ 30
		140	≥ 60
		190	≥ 90

NOTE: All classifications listed in tables are valid only if complying with conditions listed in STN 92 0203 and STN 92 0205. In that case it is possible to use these classifications in the process of fire construction verification according to the Ministry of Interior the Slovak Republic decree nr. 94/2004, which sets technical requirements for fire safety in construction and use of buildings as amended.