
CERTIFICATE OF APPROVAL
No ME5083

SAMI S.p.a

Via Venezia
I-20060 Liscate (MI)
Italy

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Have been assessed against the requirements of the test standard(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT

Fire Resistant Cables

RSRse300 Rating 300/500V

3x4.0+E 2x4.0+E 4x4.0+E

USRse300 Rating 300/500V

2x1+E 2x1.50+E 2x2.50+E

3x1+E 3x1.50+E 3x2.50+E

4x1+E 4x1.50+E 4x2.50+E

TEST STANDARD

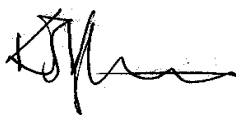
TS66

BS 50200: 2015

BRAND NAME

SAMIFIRE Fire Resistant Cables

Signed and sealed for and on behalf of Exova (UK) Limited trading as
Warrington Certification



Sir Ken Knight
Chairman
Impartiality Committee



Paul Duggan
Certification Manager



Issued: 4th May 2017
Valid to: 3rd May 2022

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Information:

1. The performance relates only to the behaviour of the specimen of the product under the particular conditions of test. They are not intended to be the sole criterion for assessing the potential smoke obscuration or fire hazard of the product in use, nor do they reflect the actual behaviour of the product under real fire conditions.
2. It is the responsibility of the user of the information contained within this document to establish appropriate safety and health practices and determine the applicability of regulatory requirements prior to use of the product
3. The performance relates only to the specimens of the product in the form in which they were tested.
4. The approval relates to on-going production. Cable product and/or its immediate packaging shall be identified with the certification mark including the certification number, and the manufacturer's name and the product name or code reference.

Product Information

Product reference		"SAMIFIRE fire resistant cables" Electrical screened cables 300/500 V, having low emission of smoke and corrosive gases when affected by fire (reference standard BS7629-1:2008)
Cable marking		USRse 300 2x1.0+E 3x1.0+E 4x1.0+E 2x1.5+E 3x1.5 +E 4x1.5 +E 2x2.5+E 3x2.5+E 4x2.5+E RSRse 300 2x4.0+E 3x4.0+E 4x4.0+E
Cable function		For use where power is required to be maintained in the event of fire eg for use in emergency lighting, fire detection, fire alarm systems etc.
Number of cores x core size		2x1+E 2x1.5+E 2x2.5+E 2x4+E 3x1+E 3x1.5+E 3x2.5+E 3x4+E 4x1+E 4x1.5+E 4x2.5+E 4x4+E
Voltage rating		300/500 V
Diameter		from 7,1 to 14,3 mm
Weight per unit length		from 81,5 to 318 g/m
Conductors	Product reference	ASTM B3
	Generic type	Plain annealed copper
	Total cross-sectional area of each conductor	from 1 to 4 mm ²
	Weight per unit length of each conductor	from 8,8 to 35 g/m
	Number of strands per conductor	1 or 7
Conductor insulation	Product reference	See note 3
	Generic type	Silicon rubber
	Colour	Brown, blue, grey, black

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	Thickness	from 0,6 mm. to 0,8 mm.
	Density	1,23 g/cm ³
	Generic type of flame retardant	Mineral fillers
	Amount of flame retardant	Max 15%
Mylar tape	Product reference	Polyester film
	Generic type	Polyester
	Colour	transparent
	Thickness	0.023 mm
	Weight per unit area	32 g/m ²
Drain wire	Product reference	ASTM B33
	Generic type	Tinned annealed copper
	Cross-sectional area	Same as conductors
	Weight per unit length	from 8,8 to 35 g/m
	Number of strands	1 or 7
Foil tape	Product reference	Aluminium -polyester
	Generic type	Aluminium-mylar
	Colour	Any colour
	Thickness	0.034mm
	Weight per unit area	55g/m ²
Outer sheath	Flame retardant details	See Note 2
	Generic type	LSZH compound
	Colour	"Red" or any colour requested by the customer
	Thickness	0.90mm or 1.20mm
	Density	1.51g/cm ³
	Trade name of flame retardant	See Note 1 below
	Generic type of flame retardant	Aluminum Hydroxide
Amount of flame retardant	Maximum 60%	
Brief description of manufacturing process		Conductors are insulated with silicon rubber by extrusion, cores are laid up by cabling machine with polyester tape and drain wire, screened with aluminium/polyester tape and then sheathed with LSZH compound by extrusion

Note 1. The sponsor of the test was unable to provide this information.

Note 2. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

Note 3. The sponsor has also provided information relating to the specification for the manufacture of these cables. This is held on Confidential File at Warrington Certification Ltd.

Approved Manufacturing Location

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Certification Evidence

Test Reports	Standard	
WF report No: 366194	BS EN 50200: 2015	Meet and exceed the requirement of BS 7629-1
WF report No: 366195	BS EN 50200: 2015	Meet and exceed the requirement of BS 7629-1
WF report No: 375044	BS EN 50200: 2015	Meet and exceed the requirement of BS 7629-1
WF report No: 375045	BS EN 50200: 2015	Meet and exceed the requirement of BS 7629-1
WF report No: 375046	BS EN 50200: 2015	Meet and exceed the requirement of BS 7629-1

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