CLASSIFICATION OF REACTION TO FIRE FOR ELECTRIC CABLES IN ACCORDANCE WITH TS EN 13501-6

Sponsor / Manufacturer	BORSAN KABLO ELEKTRİK AYDINLATMA İNŞ. TİC.A.Ş.
Place of Manufacture	Kerimbey O.S.B. Vali M.Erdoğan Cebeci Bulvarı No:54 Tekkeköy /SAMSUN TURKEY
Prepared by	TSE Elektroteknik Laboratuvarı Gebze Müdürlüğü Cumhuriyet Mah. 2258 Sokak Gebze / KOCAELİ - TÜRKİYE
Notified Body No	1783
Regulation	Construction Products Regulation (305/2011/EU)
Classification report No	383347 / 01-18
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1- Introduction

This classification report defines the classification of cable below in accordance with the procedures given in TS EN 13501-6

2- Details of classified product

Trade name, Type of cable	NA2XCH	
Sample description	Class 2 Aluminum, 0.6 / 1 Kv, Singlecore, Concentric Conductor Xlpe İnsulated Hffr Sheath, Power Cable	
Tested cable and size and overall diameter	1- NA2XCH 1x16/10 mm² 2- NA2XCH 4x240/95 mm²	14,40 mm 65,70 mm

3- Test Reports and results in support of this classification

3.1 Reports

Enter details of reports here as applicable

Name of Laboratory	Test reports no and Date	Test methods
TSE Gebze Electrotechnical Laboratory	381826 / 12-17	(TS EN 60332-1-2/A1:2016 / A11: 2017)
TSE Gebze Electrotechnical Laboratory	381832 / 12-17	(TS EN 60332-1-2/A1:2016 / A11: 2017)

Test method and type of cable	Parameter	No. of test	Test results	
			Continuous parameter	Compliance with parameters
NA2XCH 1x16/10 mm² TS EN 60332-1-2/A11:2017	H (Vertical flame spread)	1	115 mm	≤ 425mm / Eca
NA2XCH 4x240/95 mm² TS EN 60332-1-2/A11:2017	H (Vertical flame spread)	1	95 mm	≤ 425mm / Eca

The format of the reaction to fire classification for electric cables is:

Fire Behaviour	Smoke Production	Flaming Droplets	Acidity
E*ca*	-	-	-

Reaction to Fire Classification: E*ca*

4-Field of Application

This classification is valid for the power cables listed below as determined in the extended application process according to CLC-FprTS 50576-2016.

Trade name	Cable Family	Outer diameter of cable	Reaction to Fire Classification
BORSAN	NA2XCH	From 14,40 mm – to 82,12 mm	E*ca*