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

of

NSS Sp. z o. o.

Cable identification:

BCS-U/UTP-CAT5E-LSOH

Prepared by Jens Rytter Petersen

Project No. 1201216 2021.02.11

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1 Identification

Sponsor:	NSS Sp. z o. o. Modularna Street 11 02-238 Warsaw Poland Email: info@nsssystem.pl	
Prepared by:	3P Third Party Testing Agern Allé 3 DK-2970 Hoersholm Denmark	Email: 3Ptest@3Ptest.dk Phone: + 45 45572200 Website: www.3Ptest.dk
CPR Notified Body No.:	**NB 2652**	
DANAK Reg. No.:	**0473**	
Product name:	BCS-U/UTP-CAT5E-LSOH	
Product Markings	BCS-U/UTP-CAT5E-LSOH www.bcscctv.pl U/UTP CLASS D CAT.5E LSOH PN-EN50173 ISO/IEC11801 305m	
Classification report No.:	1201216	
Issue number:	2	
Date of issue:	2021.02.23	

This classification report consists of nine pages and may only be used or reproduced in its entirety.

2 Details of classified products

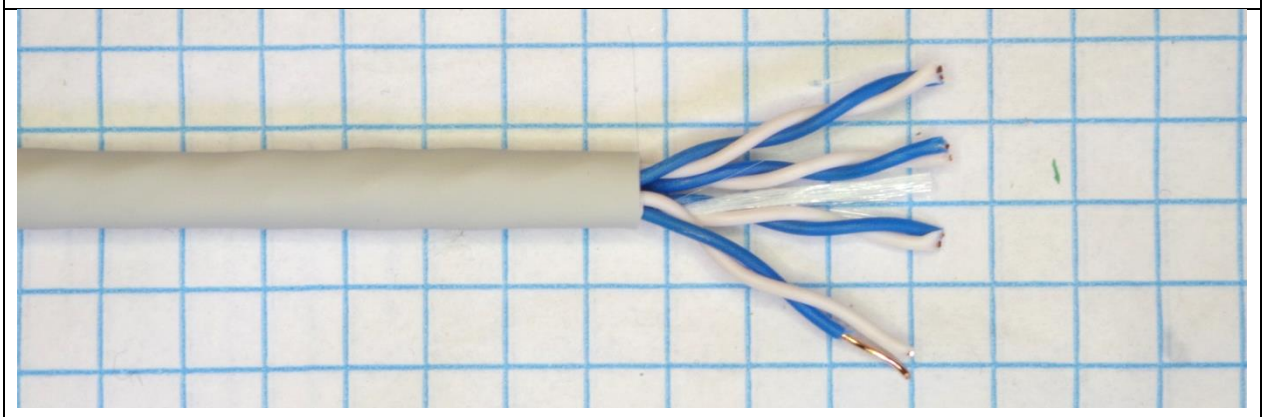
2.1 General

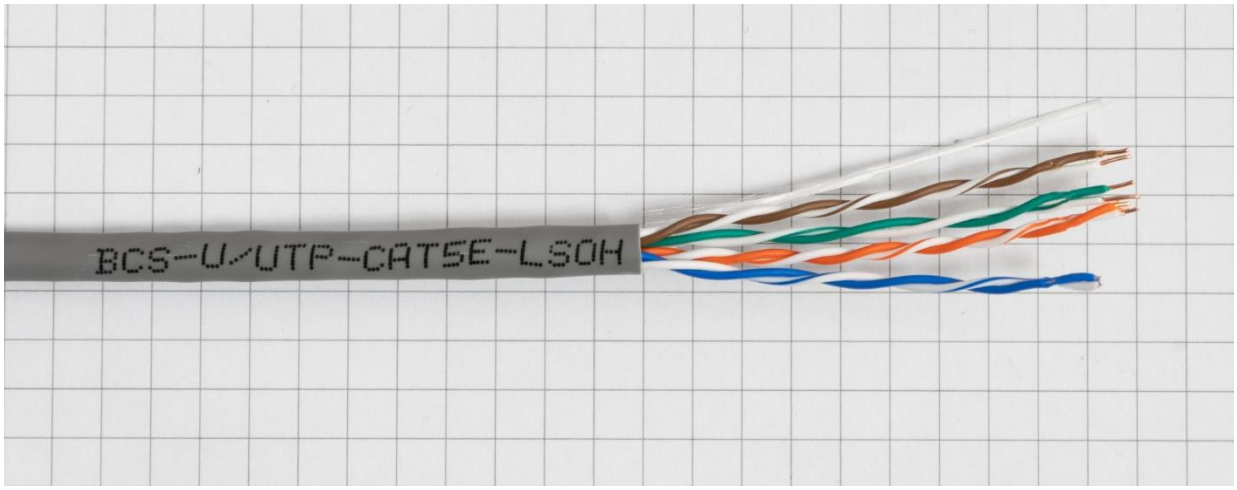
The product, BCS-U/UTP-CAT5E-LSOH, is defined as copper communication cables according to EN 50575:2014/A1:2016.

2.2 Product description

The product, BCS-U/UTP-CAT5E-LSOH, is described below or is described in the reports provided in support of classifications listed in 3.1.

Product descriptions
Communication Cable, U/UTP, Solid Copper 0,5 mm, Diameter 5,0 mm.





3 Reports and results in support of this classification

3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. No.	Test method and date/field of applications rules and date
3P	NSS Sp. z o. o.	Report No. 1186803a	EN 60332-1-2:2004/A11:2016
3P	NSS Sp. z o. o.	Report No. 1186803b	EN 50399:2011-1-2/A1:2016
3P	NSS Sp. z o. o.	Report No. 1186803c	IEC 60754-2:2014

3.2 Results

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameter – mean	Compliance with parameters
EN 60332-1-2:2004/A11:2016 Report no. 1186803a	H ≤ 425 mm	1	108 mm	Compliant
EN 50399:2011-1-2/A1:2016 Report no. 1186803b	D_{ca}: FS (No Limit)	1	3,50 m	Compliant
	D_{ca}: $THR_{1200\ sec.}$ ≤ 70 MJ		60,5 MJ	Compliant
	D_{ca}: PEAK HRR ≤ 400 kW		347,1 kW	Compliant
	D_{ca}: FIGRA ≤ 1300 Ws^{-1}		830,2 Ws^{-1}	Compliant
	s2: $TSP_{1200sec.}$ ≤ 400 m^2 and Peak SPR ≤ 1,5 m^2s^{-1}		s2: $TSP_{1200sec.}$ = 192,5 m^2 and Peak SPR = 1,09 m^2s^{-1}	Compliant
	d2: Flaming droplets/particles persisting longer than 10 sec. within 1200 sec.		Flaming droplets/particles persisting longer than 10 sec. within 1200 sec.	Compliant
IEC 60754-2:2014 Report no. 1186803c	a1 < 2,5 µS/mm and pH > 4,3	3	0,45 µS/mm and pH = 5,75	Compliant

4 Classification and field of application

4.1 Reference of classifications

This classification has been carried out in accordance with EN 13501-6:2014

4.2 Classification

The product, BCS-U/UTP-CAT5E-LSOH, in its relations to reaction to fire behaviour is classified:

A_{ca} to F_{ca} (as applicable)

The additional classification in relation to smoke production is:

s1, s1a, s1b, s2, s3, (as applicable)

The additional classification in relation to flaming droplets / particles is:

d0, d1, d2, (as applicable)

The additional classification in relation to acidity is:

a1, a2, a3, (as applicable)

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

Fire behaviour		**Smoke production**		**Flaming droplets**		**Acidity**
D_{ca}	-	s2	,	d2	,	a1

4.3 Field of application

This classification is valid for the following product parameters as determined in the extended applications process CLC/TS 50576:2016 (E).

Product family:			
	Cable Identification:	**Product parameter variations**	
Code	**Description**	**OD/mm**	**Copper Size/mm**
BCS-U/UTP-CAT5E-LSOH	Communication cable, solid copper, LSOH	5,0	0,5

5 Limitations

This classification document does not represent type approval or certifications of the product.

Include the following statement to the report when the product is being CE marked under the attestations of conformity system 3.

“The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacture within the context of system 3 attestation of conformity and CE marking under the Construction Product Regulation.

The test laboratory has therefore played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.”

Hoersholm, 23rd February 2021

Jens Rytter Petersen
Undertaking classification

Hoersholm, 23rd February 2021

Morten Dam
Authorizing this report