Prepared for:
Zhejiang Uniview Technologies Co., Ltd.

Product Name:
UV-UTP6-300-BC24AWG-CCA-R-V

Classification Report No.:
4791383229CR

Issue number:
01

Date of Issue:
2024-08-13

Prepared by:
UL LLC

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UL LLC, 1285 Walt Whitman Rd, Melville, NY 11747, United States

IAS ACCREDITED Testing Laboratory TL-325

1. Introduction

This classification report defines the classification assigned to the product, 'UV-UTP6-300-BC24AWG-CCA-R-V', in accordance with the procedures given in EN 13501-6:2018+A1:2022.

CLASSIFICATION OF REACTION TO FIRE FOR ELECTRIC CABLES IN ACCORDANCE WITH EN 13501-6:2018+A1:2022

Prepared for:	**Zhejiang Uniview Technologies Co., Ltd.**
Place of Manufacture:	**No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China**
Prepared by:	**UL LLC, 1285 Walt Whitman Rd, Melville, NY 11747, United States**
Cable Family name:	**UV-UTP6-300-BC24AWG-CCA-R-V**
Classification report No:	**4791383229CR**
Issue number:	**1**
Date of issue:	**2024-08-13**

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2. Details of classified product

2.1 General

This report is for the classification of the UV-UTP6-300-BC24AWG-CCA-R-V cable in accordance with the procedures given in EN 13501-6:2018+A1:2022 and is defined as a communication cable according to EN 50575:2014+A1:2016.

2.2 Product Description

The UV-UTP6-300-BC24AWG-CCA-R-V cable is as described in Sample details below.

The test samples selected by UL from the manufacturer on 2024-03-12.

Parameter	**Details**
Test sponsor	Zhejiang Uniview Technologies Co., Ltd.
Manufacturer of sample	Zhejiang Uniview Technologies Co., Ltd.
Place of manufacture	No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China
Cable submitted for test:	
UV-UTP6-300-BC24AWG-CCA-R-V	4X2X24AWG conductors, PE insulation, LSZH Separator, nylon rip-cord, LSZH jacket OD = 6.0mm

3. Reports and results in support of this classification

3.1 Summary of test reports

Name of Laboratory	Name of test sponsor	Test reports No.	Test method/field of application rules
UL-LLC	Zhejiang Uniview Technologies Co., Ltd.	4791183343TR	EN 50399:2022 EN 60332-1-2:2004+A12:2020 EN 61034-2:2005+A2:2020 EN 60754-2:2014+A1:2020

3.2 Results

Test method	Parameter	No. tests runs	Results	
			Continuous parameter	Compliance parameters
EN 50399:2022	FS THR_{1200s} Peak HRR FIGRA	1	0.48m 2.8MJ 7.7kW 53.4W/s	$B2_{ca}$
	TSP_{1200s} Peak SPR	1	$2.8m^2$ $0.02m^2/s$	s1
	Flaming droplets/particles	1	None	d0
EN 60332-1-2:2004 +A12:2020	H	1	90mm	Complies
EN 61034-2:2005 +A2:2020	Minimum transmission	1	93.38%	s1a
EN 60754-2:2014 +A1:2020	pH & Conductivity	3	pH = 5.09* conductivity = 0.59S/mm*	a1

Where;
* - Least best result for all components in the cable

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-6:2018+A1:2022

4.2 Classification

The UV-UTP6-300-BC24AWG-CCA-R-V cable in relation to reaction to fire behaviour is classified:

$B2_{ca}$

The additional classification in relation to smoke production is:

s1a

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

d0

The additional classification in relation to acidity is:

a1

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

Fire Behaviour		Smoke Production			Flaming Droplets			Acidity	
$B2_{ca}$	**-**	**s**	**1a**	**,**	**d**	**0**	**,**	**a**	**1**

Reaction to fire classification: $B2_{ca}$-s1a,d0,a1

4.3 Field of Application

This classification is valid for the UV-UTP6-300-BC24AWG-CCA-R-V cable described in 'Sample details' and listed below.

Brand Name	Cable Identification	Number of core/units	Core Size	Reaction to Fire Classification
Zhejiang Uniview Technologies Co., Ltd.	UV-UTP6-300-BC24AWG-CCA-R-V	8	24AWG	B2ca-s1a,d0,a1

This classification is valid for all end-use applications.

5. Limitations

This classification does not represent type approval or certification of the product and will be valid whilst;

- The test methods remain unchanged,
- The product standard or technical approval remains unchanged,
- Constructional or material modifications do not exceed limits of the field of application.

SIGNED*
Signature of person undertaking classification

Jean Yu
Staff Engineer

AUTHORISED
Signature of Person authorising this report

Dmitriy Bodik
Senior Staff Engineer

*For and on behalf of UL LLC Ltd.

- - END OF REPORT - - -