Ordinary Duty PVC Flexible Cords, Circular

BS6500 **HO5VV - F** **3182Y, 3183Y, 3184Y, 3185Y**

CABLE CHARACTERISTICS


TEMPERATURE RANGE
+5 to +60 °C


Bending radius
Fixed r=4D
Flexing r=6D


Mechanical Impact
Medium


Fire performance
BSEN50265-2-1


FLEXIBILITY
flexible

CABLE DESCRIPTION

KEY APPLICATIONS

Supply leads in domestic premises, kitchens, offices for household appliances, including damp situations,f or medium duties including washing machines, spin dryers and refrigerators. Suitable for cooking and heating appliances provided there is no risk of contact with hot parts.



CONDUCTOR

Plain annealed copper flexible stranded circular conductor complying with BS6360 Class 5

INSULATION

PVC insulation complying with BS7655 Type TI2

Core identification:

oo blue-brown
ooo blue-brown-green/yellow
oooo black-blue-brown-green/yellow

SHEATH

PVC sheath complying with BS7655 Type TM2

Colour: Normally white or black but others available on request.

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CABLE CHARACTERISTICS

Nominal cross sectional area mm²	Conceptual construction no./mm	Approximate conductor diameter mm	Approximate overall diameter mm	Approximate cable weight kg/km	Maximum conductor resistance at 20°C ohms/km	Current rating DC or Single phase AC Amps	Current rating Three phase AC Amps	Volt drop DC or Single phase AC mV/A/m	Volt drop Three phase AC mV/A/m
Two cores									
0.5	16/0.20	0.93	6.3	52	39	3	-	93	-
0.75	24/0.20	1.14	6.8	59	26	6	-	62	-
1	32/0.20	1.32	7.2	67	19.5	10	-	46	-
1.25	40/0.20	1.48	7.8	90	15.6	13	-	37	-
1.5	30/0.25	1.6	8.2	90	13.3	16	-	32	-
2.5	50/0.25	2.05	10	141	7.98	25	-	19	-
4	56/0.30	2.6	11.1	190	4.95	32	-	12	-
Three cores									
0.75	24/0.20	1.14	7.2	69	26	6	-	62	-
1	32/0.20	1.32	7.6	80	19.5	10	-	46	-
1.25	40/0.20	1.48	8.5	95	15.6	13	-	37	-
1.5	30/0.25	1.6	8.9	113	13.3	16	-	32	-
2.5	50/0.25	2.05	10.8	176	7.98	25	-	19	-
4	56/0.30	2.6	12	236	4.95	32	-	12	-
Four cores									
0.75	24/0.20	1.14	7.7	83	26	6	6	62	54
1	32/0.20	1.32	8.5	101	19.5	10	10	46	40
1.5	30/0.25	1.6	10	141	13.3	16	16	32	27
2.5	50/0.25	2.05	11.8	214	7.98	25	20	19	16
4	56/0.30	2.6	13	286	4.95	32	25	12	10
Five cores									
0.75	24/0.20	1.14	8.5	78	26	6	6	62	54
1	32/0.20	1.32	9.2	118	19.5	10	10	46	40
1.5	30/0.25	1.6	11	180	13.3	16	16	32	27
2.5	50/0.25	2.05	12.8	265	7.98	25	20	19	16
4	56/0.30	2.6	14.5	350	4.95	32	25	12	10

Temperature rating factors

Ambient Temperature °C	30	35	40	45	50	55
Rating factor	1.00	0.91	0.82	0.71	0.58	0.41

Safenet Certification Services Ltd.

204 Roselawn House, National Technology Park, Limerick, V94 6R68, Ireland

Tel: +353 61 633 604 e-mail: office@safenetcs.ie Website: www.safenetcs.ie

Certificate of Conformity

This is to certify that

Suzhou Draka Cable Co., Ltd.
No. 88 Kangyuan Road, Xiangcheng Economic Development District,
Suzhou, Jiangsu Province, China

Has had a range of PVC Insulation & Sheath Oil Resistant Control Cables examined with regard to the Low Voltage Directive 2014/35/EU.

With reference to model **RVVY (H05VV5-F) 12x1.5**

Manufactured by:

Suzhou Draka Cable Co., Ltd.
No. 88 Kangyuan Road, Xiangcheng Economic Development District,
Suzhou, Jiangsu Province, China

1. The technical documentation supplied contains all the relevant information.
2. Having verified that the appropriate tests have been conducted, with regard to the RVVY (H05VV5-F) 12x1.5 representing the range.
   - 2.1. The example has been manufactured in accordance with the technical documentation and may be used under the intended conditions.
   - 2.2. The standards and transposed standards as the case may be, have been applied correctly.
   - 2.3. The example has conformity with the Principle Elements of Safety Objectives of the Low Voltage Directive, 2014/35/EU.
   - 2.4. The technical file contains all the information required to include the models listed in the attached annex to this certificate.

Certificate Number: 1027270219

Date: 01/03/2019

Signed for Safenet Certification Services Ltd.

Peter McNicol
Technical Manager

Number 2805

This Document remains the property of Safenet Certification Services Ltd and will be returned to them if so requested. The client is required to request a review to ensure continued compliance of the machinery on a 5 yearly basis to check for changes in the state of the art and validity of the certificate.

Safenet Certification Services Ltd.

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Certificate of Conformity

Annex Certificate 1027270219

Models included:

RVVY (H05VV5-F) 2x0.5, RVVY (H05VV5-F) 2x0.75, RVVY (H05VV5-F) 2x1, RVVY (H05VV5-F) 2x1.5, RVVY (H05VV5-F) 2x2.5, RVVY (H05VV5-F) 3x0.5, RVVY (H05VV5-F) 3x0.75, RVVY (H05VV5-F) 3x1, RVVY (H05VV5-F) 3x1.5, RVVY (H05VV5-F) 3x2.5, RVVY (H05VV5-F) 4x0.5, RVVY (H05VV5-F) 4x0.75, RVVY (H05VV5-F) 4x1, RVVY (H05VV5-F) 4x1.5, RVVY (H05VV5-F) 4x2.5, RVVY (H05VV5-F) 5x0.5, RVVY (H05VV5-F) 5x0.75, RVVY (H05VV5-F) 5x1, RVVY (H05VV5-F) 5x1.5, RVVY (H05VV5-F) 5x2.5, RVVY (H05VV5-F) 6x0.5, RVVY (H05VV5-F) 6x0.75, RVVY (H05VV5-F) 6x1, RVVY (H05VV5-F) 6x1.5, RVVY (H05VV5-F) 6x2.5, RVVY (H05VV5-F) 7x0.5, RVVY (H05VV5-F) 7x0.75, RVVY (H05VV5-F) 7x1, RVVY (H05VV5-F) 7x1.5, RVVY (H05VV5-F) 7x2.5, RVVY (H05VV5-F) 12x0.5, RVVY (H05VV5-F) 12x0.75, RVVY (H05VV5-F) 12x1, RVVY (H05VV5-F) 12x1.5, RVVY (H05VV5-F) 12x2.5, RVVY (H05VV5-F) 18x0.5, RVVY (H05VV5-F) 18x0.75, RVVY (H05VV5-F) 18x1, RVVY (H05VV5-F) 18x1.5, RVVY (H05VV5-F) 18x2.5, RVVY (H05VV5-F) 27x0.5, RVVY (H05VV5-F) 27x0.75, RVVY (H05VV5-F) 27x1, RVVY (H05VV5-F) 27x1.5, RVVY (H05VV5-F) 27x2.5, RVVY (H05VV5-F) 36x0.5, RVVY (H05VV5-F) 36x0.75, RVVY (H05VV5-F) 36x1, RVVY (H05VV5-F) 36x1.5 and RVVY (H05VV5-F) 36x2.5.

Signed for Safenet Certification Services Ltd.

Peter McNicol
Technical Manager

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