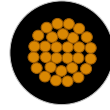


8120001	DATA SHEET	
Valid from: 12.07.2022	60227IEC02 / H07V-K	

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*Illustrations are not to scale and do not represent detailed images of the respective products.

1. Application

60227IEC02 / H07V-K single core flexible wire for fixed installation and internal wiring of switchgear control panels, devices and equipments. Laying in tubes, exposed and buried in plaster and in closed installation ducts.

2. Reference Standard(s)

Based on IEC 60227-3 and EN 50525-2-31

3. Cable Construction

- 3.1. Conductor : Fine strands of bare copper wire acc. to VDE 0295/IEC 60228 Cl. 5
- 3.2. Core Insulation : PVC compound
- 3.3. Insulation Colours : Refer to Clause 6, Dimensional Data

4. Technical Data

- 4.1. Rated Voltage : 450/750 V
- 4.2. Test Voltage : 2.5 kV
- 4.3. Conductor Resistance : In acc. to VDE 0295/IEC 60228
- 4.4. Spec. Insulation Res. : > 20 GΩ x cm
- 4.5. Min. Bending Radius : 6 x cable diameter
- 4.6. Temperature Range : -30°C to +70°C
- 4.7. Flame Retardant : In acc. to IEC 60332-1-2
- 4.8. EU Directive : 2014/35/EU (Low Voltage Directive), 2011/65/EU (RoHS)
- 4.9. CE Mark : Yes

5. Certification

VDE tested and certified acc. to EN 50525-2-31
TISI tested and certified acc. to IEC 60227-3

Elaborated by: BEKO / PM Approved by: BEKR / PM	Document: SDB8120001 Version: 06	Page 1 of 5
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ref.:

8120001	DATA SHEET	
Valid from: 12.07.2022	60227IEC02 / H07V-K	

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6. Dimensional Data

Part No.	Conductor Cross-section mm ²	Approx. Cable OD mm	Insulation Colour -	Copper Index kg/km	Approx. Cable Wt. kg/100m
8120001	1.5	2.9	GNYE	14.4	2.0
8120011	1.5	2.9	BK	14.4	2.0
8120021	1.5	2.9	BU	14.4	2.0
8120031	1.5	2.9	BN	14.4	2.0
8120041	1.5	2.9	RD	14.4	2.0
8120051	1.5	2.9	WH	14.4	2.0
8120061	1.5	2.9	GY	14.4	2.0
8120091	1.5	2.9	OG	14.4	2.0
8120111 [#]	1.5	2.9	YE	14.4	2.0
8120121 [#]	1.5	2.9	GN	14.4	2.0
8100551	1.5	2.9	LBU	14.4	2.0
8120002	2.5	3.6	GNYE	24.0	3.1
8120012	2.5	3.6	BK	24.0	3.1
8120022	2.5	3.6	BU	24.0	3.1
8120032	2.5	3.6	BN	24.0	3.1
8120042	2.5	3.6	RD	24.0	3.1
8120052	2.5	3.6	WH	24.0	3.1
8120062	2.5	3.6	GY	24.0	3.1
8120092	2.5	3.6	OG	24.0	3.1
8120112 [#]	2.5	3.6	YE	24.0	3.1
8120122 [#]	2.5	3.6	GN	24.0	3.1
8100552	2.5	3.6	LBU	24.0	3.1
8120003	4	4.1	GNYE	38.4	4.6
8120013	4	4.1	BK	38.4	4.6
8120023	4	4.1	BU	38.4	4.6
8120033	4	4.1	BN	38.4	4.6
8120043	4	4.1	RD	38.4	4.6
8120053	4	4.1	WH	38.4	4.6
8120063	4	4.1	GY	38.4	4.6
8120093	4	4.1	OG	38.4	4.6
8120113 [#]	4	4.1	YE	38.4	4.6
8120123 [#]	4	4.1	GN	38.4	4.6
8100553	4	4.1	LBU	38.4	4.6
8120004	6	4.7	GNYE	57.6	6.52
8120014	6	4.7	BK	57.6	6.52
8120024	6	4.7	BU	57.6	6.52
8120034	6	4.7	BN	57.6	6.52
8120044	6	4.7	RD	57.6	6.52
8120054	6	4.7	WH	57.6	6.52
8120064	6	4.7	GY	57.6	6.52
8120094	6	4.7	OG	57.6	6.52
8120114 [#]	6	4.7	YE	57.6	6.52
8120124 [#]	6	4.7	GN	57.6	6.52
8100554	6	4.7	LBU	57.6	6.52

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ref.:

8120001	DATA SHEET	
Valid from: 12.07.2022	60227IEC02 / H07V-K	

<https://lappapac.lappgroup.com>

Part No.	Conductor Cross-section mm ²	Approx. Cable OD mm	Insulation Colour -	Copper Index kg/km	Approx. Cable Wt. kg/100m
8120005	10	6.0	GNYE	96.0	11.32
8120015	10	6.0	BK	96.0	11.32
8120025	10	6.0	BU	96.0	11.32
8120035	10	6.0	BN	96.0	11.32
8120045	10	6.0	RD	96.0	11.32
8120055	10	6.0	WH	96.0	11.32
8120065	10	6.0	GY	96.0	11.32
8120095	10	6.0	OG	96.0	11.32
8120115 [#]	10	6.0	YE	96.0	11.32
8120125 [#]	10	6.0	GN	96.0	11.32
8100555	10	6.0	LBU	96.0	11.32
8120006	16	7.1	GNYE	153.6	17.34
8120016	16	7.1	BK	153.6	17.34
8120026	16	7.1	BU	153.6	17.34
8120036	16	7.1	BN	153.6	17.34
8120046	16	7.1	RD	153.6	17.34
8120056	16	7.1	WH	153.6	17.34
8120066	16	7.1	GY	153.6	17.34
8120096	16	7.1	OG	153.6	17.34
8120116 [#]	16	7.1	YE	153.6	17.34
8120126 [#]	16	7.1	GN	153.6	17.34
8100556	16	7.1	LBU	153.6	17.34
8121001	25	8.8	GNYE	240.0	26.94
8121011	25	8.8	BK	240.0	26.94
8121021	25	8.8	BU	240.0	26.94
8121031	25	8.8	BN	240.0	26.94
8121041	25	8.8	RD	240.0	26.94
8121051	25	8.8	WH	240.0	26.94
8121061	25	8.8	GY	240.0	26.94
8121091	25	8.8	OG	240.0	26.94
8121111 [#]	25	8.8	YE	240.0	26.94
8121121 [#]	25	8.8	GN	240.0	26.94
8100557	25	8.8	LBU	240.0	26.94
8121002	35	9.9	GNYE	336.0	36.64
8121012	35	9.9	BK	336.0	36.64
8121022	35	9.9	BU	336.0	36.64
8121032	35	9.9	BN	336.0	36.64
8121042	35	9.9	RD	336.0	36.64
8121052	35	9.9	WH	336.0	36.64
8121062	35	9.9	GY	336.0	36.64
8121092	35	9.9	OG	336.0	36.64
8121112 [#]	35	9.9	YE	336.0	36.64
8121122 [#]	35	9.9	GN	336.0	36.64
8100558	35	9.9	LBU	336.0	36.64

Elaborated by: BEKO / PM Approved by: BEKR / PM	Document: SDB8120001 Version: 06	Page 3 of 5
----------------------------------------------------	-------------------------------------	-------------

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ref.:

8120001	DATA SHEET	
Valid from: 12.07.2022	60227IEC02 / H07V-K	

<https://lappapac.lappgroup.com>

Part No.	Conductor Cross-section mm ²	Approx. Cable OD mm	Insulation Colour -	Copper Index kg/km	Approx. Cable Wt. kg/100m
8121003	50	11.8	GNYE	480.0	51.78
8121013	50	11.8	BK	480.0	51.78
8121023	50	11.8	BU	480.0	51.78
8121033	50	11.8	BN	480.0	51.78
8121043	50	11.8	RD	480.0	51.78
8121053	50	11.8	WH	480.0	51.78
8121063	50	11.8	GY	480.0	51.78
8121093	50	11.8	OG	480.0	51.78
8121113 [#]	50	11.8	YE	480.0	51.78
8121123 [#]	50	11.8	GN	480.0	51.78
8100559	50	11.8	LBU	480.0	51.78
8121004	70	13.8	GNYE	672.0	71.8
8121014	70	13.8	BK	672.0	71.8
8121024	70	13.8	BU	672.0	71.8
8121034	70	13.8	BN	672.0	71.8
8121044	70	13.8	RD	672.0	71.8
8121054	70	13.8	WH	672.0	71.8
8121064	70	13.8	GY	672.0	71.8
8121094	70	13.8	OG	672.0	71.8
8121114 [#]	70	13.8	YE	672.0	71.8
8121124 [#]	70	13.8	GN	672.0	71.8
8100560	70	13.8	LBU	672.0	71.8
8121005	95	16.0	GNYE	912.0	97.54
8121015	95	16.0	BK	912.0	97.54
8121025	95	16.0	BU	912.0	97.54
8121035	95	16.0	BN	912.0	97.54
8121045	95	16.0	RD	912.0	97.54
8121055	95	16.0	WH	912.0	97.54
8121065	95	16.0	GY	912.0	97.54
8121095	95	16.0	OG	912.0	97.54
8121115 [#]	95	16.0	YE	912.0	97.54
8121125 [#]	95	16.0	GN	912.0	97.54
8100561	95	16.0	LBU	912.0	97.54
8121006	120	17.6	GNYE	1152.0	121.8
8121016	120	17.6	BK	1152.0	121.8
8121026	120	17.6	BU	1152.0	121.8
8121036	120	17.6	BN	1152.0	121.8
8121046	120	17.6	RD	1152.0	121.8
8121056	120	17.6	WH	1152.0	121.8
8121066	120	17.6	GY	1152.0	121.8
8121096	120	17.6	OG	1152.0	121.8
8121116 [#]	120	17.6	YE	1152.0	121.8
8121126 [#]	120	17.6	GN	1152.0	121.8
8100562	120	17.6	LBU	1152.0	121.8

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----------------------------------------------------	-------------------------------------	-------------

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ref.:

8120001	DATA SHEET	
Valid from: 12.07.2022	60227IEC02 / H07V-K	

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Part No.	Conductor Cross-section mm ²	Approx. Cable OD mm	Insulation Colour -	Copper Index kg/km	Approx. Cable Wt. kg/100m
8121007	150	19.6	GNYE	1440.0	150.21
8121017	150	19.6	BK	1440.0	150.21
8121027	150	19.6	BU	1440.0	150.21
8121037	150	19.6	BN	1440.0	150.21
8121047	150	19.6	RD	1440.0	150.21
8121057	150	19.6	WH	1440.0	150.21
8121067	150	19.6	GY	1440.0	150.21
8121097	150	19.6	OG	1440.0	150.21
8121117 [#]	150	19.6	YE	1440.0	150.21
8121127 [#]	150	19.6	GN	1440.0	150.21
8100563	150	19.6	LBU	1440.0	150.21
8121008	185	21.9	GNYE	1776.0	187.5
8121018	185	21.9	BK	1776.0	187.5
8121028	185	21.9	BU	1776.0	187.5
8121038	185	21.9	BN	1776.0	187.5
8121048	185	21.9	RD	1776.0	187.5
8121058	185	21.9	WH	1776.0	187.5
8121068	185	21.9	GY	1776.0	187.5
8121098	185	21.9	OG	1776.0	187.5
8121118 [#]	185	21.9	YE	1776.0	187.5
8121128 [#]	185	21.9	GN	1776.0	187.5
8100564	185	21.9	LBU	1776.0	187.5
8121009	240	24.8	GNYE	2304.0	240.25
8121019	240	24.8	BK	2304.0	240.25
8121029	240	24.8	BU	2304.0	240.25
8121039	240	24.8	BN	2304.0	240.25
8121049	240	24.8	RD	2304.0	240.25
8121059	240	24.8	WH	2304.0	240.25
8121069	240	24.8	GY	2304.0	240.25
8121099	240	24.8	OG	2304.0	240.25
8121119 [#]	240	24.8	YE	2304.0	240.25
8121129 [#]	240	24.8	GN	2304.0	240.25
8100565	240	24.8	LBU	2304.0	240.25

: X07V-K

Note : Packaging: 1 – 6mm² in 100 m/box, 10 – 70mm² in 100 m/ring, 95 – 240mm² in 500 m/drum

Elaborated by: BEKO / PM Approved by: BEKR / PM	Document: SDB8120001 Version: 06	Page 5 of 5
----------------------------------------------------	-------------------------------------	-------------

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