

## ML / H07V-U

### installation wire

### 450/750 V

### Application

Installation wire for fixed installations indoors. For internal wiring of electrical devices. The conductor insulation must be protected against UV-radiation. The cable is flame-retardant according to CPR-class Eca.



### Design

<b>Standards</b>	EN 50525-2-31
<b>Reaction to fire</b>	Eca; EN 13501-6, EN 50575:2014+A1:2016
<b>Conductor</b>	Circular solid copper, EN/IEC 60228 class 1
<b>Insulation</b>	PVC-compound
<b>Core Identification</b>	GNYE Yellow-green, BU Blue BN Brown, BK Black GY Grey, OG Orange RD Red, WH White VT Violet, PK Pink

### Temperature limits

<b>Max. conductor temperature °C</b>	70
<b>Max. cond. temp. short circuit max. 5 s °C</b>	160
<b>Min. cable temperature during operation °C</b>	-40
<b>Min. cable temperature during handling °C</b>	-15
<b>Min. cable temperature during transport °C</b>	-40

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Technical information	1,5 GY H07V-U	1,5 BN H07V-U	1,5 BK H07V-U	1,5 RD H07V-U	1,5 WH H07V-U	1,5 OG H07V-U	1,5 BU H07V-U	1,5 GNYE H07V-U	1,5 VT H07V-U	1,5 PK H07V-U
<b>Product code</b>	<b>1101010</b>	<b>1101012</b>	<b>1101013</b>	<b>1101014</b>	<b>1101015</b>	<b>1101016</b>	<b>1101017</b>	<b>1101018</b>	<b>1101019</b>	<b>1703854</b>
Nominal cross-sectional area of conductor mm <sup>2</sup>	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Nominal thickness of insulation mm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Fire load MJ/m	0,124	0,124	0,124	0,124	0,124	0,124	0,124	0,124	0,124	0,124
Fire load kWh/m	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035
Nominal cable diameter mm	2,760	2,750	2,750	2,760	2,760	2,760	2,760	2,760	2,760	2,750
Nominal cable weight kg/km	19,193	19,193	19,193	19,193	19,193	19,193	19,193	19,193	19,193	19,193
Nominal weight of copper kg/m	0,013	0,013	0,013	0,013	0,013	0,013	0,013	0,013	0,013	0,013
<b>Maximum forces during installation when pulling by</b>										
Max. pulling force by pulling-eye kN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Max. pulling force by pulling-stocking kN										
<b>Minimum bending radii</b>										
Minimum bending radius, handling mm	22	22	22	22	22	22	22	22	22	22
Minimum bending radius, final bending mm	8	8	8	8	8	8	8	8	8	8
<b>Minimum bending radii</b>										
During handling and installation, cable cm	2	2	2	2	2	2	2	2	2	2
In final installation, cable cm	1	1	1	1	1	1	1	1	1	1
<b>DC resistance</b>										
Max. DC resistance of conductor at 20 °C Ω/km	12,1	12,1	12,1	12,1	12,1	12,1	12,1	12,1	12,1	12,1

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Technical information	2,5 GY H07V-U	2,5 BN H07V-U	2,5 BK H07V-U	2,5 BU H07V-U	2,5 GNYE H07V-U
<b>Product code</b>	<b>1101020</b>	<b>1101022</b>	<b>1101023</b>	<b>1101027</b>	<b>1101028</b>
Nominal cross-sectional area of conductor mm <sup>2</sup>	2,5	2,5	2,5	2,5	2,5
Nominal thickness of insulation mm	0,8	0,8	0,8	0,8	0,8
Fire load MJ/m	0,175	0,175	0,175	0,175	0,175
Fire load kWh/m	0,049	0,049	0,049	0,049	0,049
Nominal cable diameter mm	3,340	3,340	3,340	3,340	3,340
Nominal cable weight kg/km	30,004	30,004	30,004	30,004	30,004
Nominal weight of copper kg/m	0,021	0,021	0,021	0,021	0,021
<b>Maximum forces during installation when pulling by</b>					
Max. pulling force by pulling-eye kN	0,1	0,1	0,1	0,1	0,1
Max. pulling force by pulling-stocking kN					
<b>Minimum bending radii</b>					
Minimum bending radius, handling mm	27	27	27	27	27
Minimum bending radius, final bending mm	10	10	10	10	10
<b>Minimum bending radii</b>					
During handling and installation, cable cm	3	3	3	3	3
In final installation, cable cm	1	1	1	1	1
<b>DC resistance</b>					
Max. DC resistance of conductor at 20 °C Ω/km	7,41	7,41	7,41	7,41	7,41