

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

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

Temperature limits

Max. conductor temperature °C	70
Max. cond. temp. short circuit max. 5 s °C	160
Min. cable temperature during operation °C	-40
Min. cable temperature during handling °C	-15
Min. cable temperature during transport °C	-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
Product code	1101010	1101012	1101013	1101014	1101015	1101016	1101017	1101018	1101019	1703854
Nominal cross-sectional area of conductor mm ²	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
Maximum forces during installation when pulling by										
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										
Minimum bending radii										
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
Minimum bending radii										
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
DC resistance										
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
Product code	1101020	1101022	1101023	1101027	1101028
Nominal cross-sectional area of conductor mm ²	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
Maximum forces during installation when pulling by					
Max. pulling force by pulling-eye kN	0,1	0,1	0,1	0,1	0,1
Max. pulling force by pulling-stocking kN					
Minimum bending radii					
Minimum bending radius, handling mm	27	27	27	27	27
Minimum bending radius, final bending mm	10	10	10	10	10
Minimum bending radii					
During handling and installation, cable cm	3	3	3	3	3
In final installation, cable cm	1	1	1	1	1
DC resistance					
Max. DC resistance of conductor at 20 °C Ω/km	7,41	7,41	7,41	7,41	7,41