ML / H07V-U

installation wire

450/750 V



Application

Installation wirefor 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 BU H07V-U	1,5 GNYE H07V-U	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	**1101010**	**1101012**	**1101013**	**1101017**	**1101018**	**1101020**	**1101022**	**1101023**	**1101027**	**1101028**
Nominal cable diameter mm	3	3	3	3	3	3	3	3	3	3
Nominal cable weight kg/km	19	19	19	19	19	30	30	30	30	30
Nominal weight of copper kg/km	13	13	13	13	13	21	21	21	21	21
Nominal Insulation thicness mm	0,7	0,7	0,7	0,7	0,7	0,8	0,8	0,8	0,8	0,8
Fire load										
Fire load MJ/m	0,124	0,124	0,124	0,124	0,124	0,175	0,175	0,175	0,175	0,175
Fire load kWh/m	0,035	0,035	0,035	0,035	0,035	0,049	0,049	0,049	0,049	0,049
Maximum forces during installation when pulling by										
Max. pulling force by pulling-eye kN	0,0	0,0	0,0	0,0	0,0	0,1	0,1	0,1	0,1	0,1
Max. pulling force by pulling-stocking kN										
Minimum bending radii										
Minimum bending radius, handling mm	22	22	22	22	22	27	27	27	27	27
Minimum bending radius, final bending mm	8	8	8	8	8	10	10	10	10	10
Minimum bending radii										
During handling and installation, cable cm	2	2	2	2	2	3	3	3	3	3
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	7,41	7,41	7,41	7,41	7,41

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STANDARD PACKAGES	1,5 GY H07V-U	1,5 BN H07V-U	1,5 BK H07V-U	1,5 BU H07V-U	1,5 GNYE H07V-U	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	1101010	1101012	1101013	1101017	1101018	1101020	1101022	1101023	1101027	1101028
GTIN code	6410004018002	6410004018026	6410004018033	6410004018071	6410004018088	6410004018200	6410004018224	6410004018231	6410004018279	6410004018286
Package	200 bundle	200 bundle	200 bundle	200 bundle	200 bundle	200 bundle	200 bundle	200 bundle	200 bundle	200 bundle

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