

Flexible cables

Standard: EN 50525-2-11



Design

1. Copper conductor flexible class 5
2. PVC insulation
3. PVC outer sheath

Application

Cables are designed for household and general electrical appliances with medium energy consumption, including in damp premises (e.g. vacuum cleaners, washing machines, refrigerators etc), for use outdoors for temporary periods of short duration.

Installation of the product should only be carried out by personnel trained and qualified for electrical works. The product is designed according to recognized standards. Applicable rules of installation must be applied at all times.

Properties

Rated voltage U ₀ /U	0,3/0,5 kV	Self-extinguishing of one cable	IEC 60332-1-2
Test voltage	2 (AC) kV	CPR-Classification	Eca
Maximal short-circuit conductor temperature	150 °C	UV stability	no
Maximal operating conductor temperature	70 °C	Packaging	coil
Temperature range	-15*) up to 70 °C	Certificate	BBJ-HAR
Minimal temperature for laying and manipulation	5 °C	RoHS	yes
Minimal storage temperature	-15 °C	REACH	yes
Colour of insulation	HD 308 S2	Declaration of Conformity EU (CE)	yes
Colour of sheath	white or black, different colours for request		

Technical data

No. of cores and cross-section mm ²	Diameter of conductor mm	Thickness - nominal insulation mm	Thickness - nominal sheath mm	Diameter informative mm	Weight informative kg/km	Minimal radius of bend mm	Max. effective resistance conductor at 20°C Ω/km	Max. permitted pulling force *1 N
2x0,75	1,1	0,6	0,8	6,0	53	24	26,0	75
2x1	1,3	0,6	0,8	6,4	60	26	19,5	100
2x1,5	1,5	0,7	0,8	7,2	81	29	13,3	150
2x2,5	2,0	0,8	1,0	9,0	126	36	7,98	250
3x0,75	1,1	0,6	0,8	6,4	63	25	26,0	113
3x1	1,3	0,6	0,8	6,7	72	27	19,5	150
3x1,5	1,5	0,7	0,9	7,9	101	31	13,3	225
3x2,5	2,0	0,8	1,1	9,7	157	39	7,98	375
3x4	2,5	0,8	1,2	11,0	218	44	4,95	600
4x0,75	1,1	0,6	0,8	7,0	77	28	26,0	150
4x1	1,3	0,6	0,9	7,6	93	30	19,5	200
4x1,5	1,5	0,7	1,0	8,8	128	35	13,3	300
4x2,5	2,0	0,8	1,1	10,6	195	42	7,98	500
4x4	2,5	0,8	1,2	12,1	272	49	4,95	800
5x0,75	1,1	0,6	0,9	7,8	99	31	26,0	188
5x1	1,3	0,6	0,9	8,3	114	33	19,5	250
5x1,5	1,5	0,7	1,1	9,8	161	39	13,3	375
5x2,5	2,0	0,8	1,2	11,8	249	47	7,98	625
5x4	2,5	0,8	1,4	13,7	350	55	4,95	1000

*1 Force is distributed over all cable conductors

Note

*) Cable must not be mechanically stressed, if temperature drops below 5°C.