

Flexible cables

Standard: PN-E-90103



Design

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

Application

Cables designed for connecting for movable electrical equipment with relatively low current consumption dedicated for work in home rooms and offices.

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	0,3/0,3 kV	Colour of sheath	white
Test voltage	2 (AC) kV	Self-extinguishing of one cable	IEC 60332-1-2
Maximal short-circuit conductor temperature	160 °C	CPR-Classification	Eca
Maximal operating conductor temperature	70 °C	UV stability	no
Temperature range	from -15 up to 70 °C	Packaging	drum, coil
Minimal temperature for laying and manipulation	5 °C	RoHS	yes
Minimal storage temperature	-30 °C	REACH	yes
Colour of insulation	HD 308 S2	Declaration of Conformity EU (CE)	yes

Technical data

No. of cores and cross-section	Diameter of conductor	Thickness - nominal insulation	Thickness - nominal sheath	Diameter informative	Weight informative	Minimal radius of bend	Max. effective resistance conductor at 20°C	Maximum pulling force *1
mm ²	mm	mm	mm	mm	kg/km	mm	Ω/km	N
2x1	1,3	0,5	0,6	6	49	22	19,5	100
3x1,5	1,5	0,6	0,8	7	88	29	13,3	225
2x1,5	1,5	0,6	0,8	7	68	27	13,3	150
3x1	1,3	0,5	0,6	6	60	24	19,5	150

*1 Force is distributed over all cable conductors

Note

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