

**Norme (standards):** EN 50525-3-41

PODRUČJE PRIMJENE

Za ožičenje svjetiljki, uređaja, ormara za sklopke i distribucijske kutije Za ugradnju u cijevi, u, na i pod gipsom, kao i u zatvorene instalacijske kanale. U objektima s velikom gustoćom ljudi ili vrijednom imovinom.

APPLICATION

For wiring of lamps, devices, switchgear cabinets and distribution boxes. For installation in tubes, on, in and under plaster as well as in closed installation ducts. In building with a high density of people or valuable assets. For use in dry rooms.

KONSTRUKCIJA

Vodiči: Cu vodiči, klasa 2 prema normi EN 60228
Izolacija: masa od umreženog poliolefina, tip EI 5 prema normi EN 50363-5
Boja: Prema standardu EN 50525-1: crna, plava, smeđa, siva, narančasta, roza, crvena, tirkizna, ljubičasta, bijela i žuto-zelena

CONSTRUCTION

Conductors: Cu, class 2 according to EN 60228
Insulation: Cross-linked polyolefin compound, type EI 5 according to EN 50363-5
Color: Acc. to EN 50525-1: black, blue, brown, gray, orange, pink, red, turquoise, violet, white and green-yellow

TEHNIČKE KARAKTERISTIKE

Nazivni napon (U_0/U): 450/750 V
Ispitni napon: 2,5 kV
Max. radna temperatura: 90°C
Min. temp. pri instalaciji: -5°C
Temperatura okoline: -35°C do 35°C
Max. temp. kratkog spoja: 250°C
Min. polumjer savijanja: 8D
CPR klasa: Cca – s1,d1,a1

TECHNICAL CHARACTERISTICS

Voltage rating (U_0/U): 450/750 V
Testing voltage: 2,5 kV
Max. working temperature: 90°C
Min. Laying teperature: -5°C
Ambient temp. range: -35°C do 35°C
Max. short-circuit temperature: 250°C
Min. bending radius: 8D
CPR class: Cca – s1,d1,a1

Nazivni presjek Nominal cross-section)	Max. otpor vodiča pri 20°C (Max. resistance at 20°C)	Strujno opterećenje u toplinski izoliranom zidu na 30° (Current capacity in thermo isolated wall at 30°)		Strujno opterećenje u el. instalacijskim cijevima na 30° (Current capacity in electro installation pipe at 30°)		Strujno opterećenje na zidu na 30° (Current capacity on the wall at 30°)		Debljina izolacije (Insulation thickness)	Vanjski promjer (približno) Outer diam. (approx.)	Cu težina (Cu weight)	Težina kabela (približno) Cable weight (approx.)
		2 žile (2 cores)	3 žile (3 cores)	2 žile (2 cores)	3 žile (3 cores)	2 žile (2 cores)	3 žile (3 cores)				
mm ²	Ω/km	A		A		A		mm	mm	kg/km	kg/km
1x1,5	12,1	19	17	23	20	24	22	0,7	2,8	14,4	21
1x2,5	7,41	26	23	31	28	33	30	0,8	3,4	24,0	34
1x4	4,61	35	31	42	37	45	40	0,8	3,9	38,4	50
1x6	3,08	45	40	54	48	58	52	0,8	4,4	57,6	71
1x10	1,830	61	54	75	66	80	71	1,0	5,6	96,0	118
1x16	1,150	81	73	100	88	107	96	1,0	6,5	153,6	179
1x25	0,727	106	95	133	117	138	119	1,2	8,0	240,0	278
1x35	0,524	131	117	164	144	171	147	1,2	9,1	336,0	380
1x50	0,387	158	141	198	175	209	179	1,4	10,8	480,0	542
1x70	0,268	200	179	235	222	269	229	1,4	12,2	672,0	743
1x95	0,193	241	216	306	269	328	278	1,6	14,2	912,0	1006
1x120	0,115	278	249	354	312	382	322	1,6	15,6	1152,0	1257
1x150	0,124	318	285	393	342	441	371	1,8	17,4	1440,0	1571
1x185	0,0991	362	324	449	384	506	424	2,0	19,3	1776,0	1938
1x240	0,0754	424	380	528	450	599	500	2,2	21,9	2304,0	2508
1x300	0,0601	486	435	603	514	693	576	2,4	24,3	2880,0	3126

*Strujna nosivost je prema standardu DIN VDE 0298-4 (current capacity according to DIN VDE 0298-4)