LifY

PVC single core, extra finely stranded, highly flexible



TECHNICAL DATA

PVC single core in alignment with DIN VDE 0250, DIN VDE 0285-525-1 / DIN EN 50525-1

Temperature range	flexible -15°C to +80°C
Nominal voltage	0.5 - 1 mm²: AC U_0/U 300/500 V 1.5 - 70 mm²: AC U_0/U 450/750 V
Peak operating voltage	0.1 - 0.25 mm²: 300 V (not for high power current installation purposes)
Test voltage	0.1 - 0.25 mm²: 2000 V 0.5 - 1 mm²: 2500 V 1.5 - 70 mm²: 3000 V
Minimum bending radius	flexible 8x Outer-Ø fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, extra finely stranded
- Core insulation: PVC
- Core identification: see table

PROPERTIES

- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- certifications and approvals:
  EAC

APPLICATION

Highly flexible single core for connections in switch cabinet construction, measurement set-ups in laboratories, engineering and technical trainings as well as other applications that require increased bending properties.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Cross-sec. mm²	AWG, approx.	Strand construction, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.	black Part no.	green-yellow Part no.	blue Part no.	brown Part no.	red Part no.	white Part no.	grey Part no.
0.1	-	51 x 0.05	1.0	1.2	2.1	**15101**	**15113**	**15103**	**15104**	**15102**	**15105**	**15106**
0.14	26	72 x 0.05	1.0	1.4	2.6	**15201**	**15213**	**15203**	**15204**	**15202**	**15205**	**15206**
0.25	24	65 x 0.07	1.3	2.5	4.2	**15301**	**15313**	**15303**	**15304**	**15302**	**15305**	**15306**
0.5	20	132 x 0.07	2.0	5.5	8.0	**15401**	**15413**	**15403**	**15404**	**15402**	**15405**	**15406**
0.75	18	195 x 0.07	2.2	8.0	12.0	**15501**	**15513**	**15503**	**15504**	**15502**	**15505**	**15506**
1	17	260 x 0.07	2.5	10.8	18.0	**15601**	**15613**	**15603**	**15604**	**15602**	**15605**	**15606**
1.5	16	192 x 0.1	3.5	15.0	22.0	**15701**	**15713**	**15703**	**15704**	**15702**	**15705**	**15706**
2.5	14	320 x 0.1	3.8	25.0	37.0	**15801**	**15813**	**15803**	**15804**	**15802**	**15805**	**15806**
4	12	512 x 0.1	4.9	40.0	50.0	**15901**	**15913**	**15903**	**15904**	**15902**	**15905**	**15906**
6	10	768 x 0.1	6.0	60.0	71.0	**15093**	**15135**	**15115**	**15116**	**15114**	-	-
10	8	1280 x 0.1	7.3	100.0	130.0	**15094**	**15136**	**15118**	**15119**	**15117**	-	-
16	6	2048 x 0.1	8.8	160.0	187.0	**15095**	**15137**	**15121**	**15122**	**15120**	-	-
25	4	3234 x 0.1	9.9	240.0	294.0	**15096**	**15138**	**15124**	**15125**	**15123**	-	-
35	2	4508 x 0.1	11.7	336.0	380.0	**15097**	**15139**	**15127**	**15128**	**15126**	-	-
50	1	6468 x 0.1	14.7	480.0	521.0	**15098**	**15140**	**15130**	**15131**	**15129**	-	-
70	2/0	8967 x 0.1	15.5	672.0	740.0	**15099**	**15141**	**15133**	**15134**	**15132**	-	-

Cross-sec. mm²	AWG, approx.	Strand construction, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.	violet Part no.	yellow Part no.	orange Part no.	green Part no.	dark blue Part no.	pink Part no.	beige Part no.
0.1	-	51 x 0.05	1.0	1.2	2.1	**15107**	**15108**	**15109**	**15100**	**151015**	**15111**	**15112**
0.14	26	72 x 0.05	1.0	1.4	2.6	**15207**	**15208**	**15209**	**15200**	**152015**	**15211**	**15212**
0.25	24	65 x 0.07	1.3	2.5	4.2	**15307**	**15308**	**15309**	**15300**	**153015**	**15311**	**15312**
0.5	20	132 x 0.07	2.0	5.5	8.0	**15407**	**15408**	**15409**	**15400**	**154015**	**15411**	**15412**

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Cross-sec. mm²	AWG, approx.	Strand construction, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.	violet Part no.	yellow Part no.	orange Part no.	green Part no.	dark blue Part no.	pink Part no.	beige Part no.
0.75	18	195 x 0.07	2.2	8.0	12.0	**15507**	**15508**	**15509**	**15500**	**155015**	**15511**	**15512**
1	17	260 x 0.07	2.5	10.8	18.0	**15607**	**15608**	**15609**	**15600**	**156015**	**15611**	**15612**
1.5	16	192 x 0.1	3.5	15.0	22.0	**15707**	**15708**	**15709**	**15700**	**157015**	**15711**	**15712**
2.5	14	320 x 0.1	3.8	25.0	37.0	**15807**	**15808**	**15809**	**15800**	**158015**	**15811**	**15812**
4	12	512 x 0.1	4.9	40.0	50.0	**15907**	**15908**	**15909**	**15900**	**159015**	**15911**	**15912**

Cross-sec. mm²	AWG, approx.	Strand construction, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.	transparent Part no.
0.1	-	51 x 0.05	1.0	1.2	2.1	**15110**
0.14	26	72 x 0.05	1.0	1.4	2.6	**15210**
0.25	24	65 x 0.07	1.3	2.5	4.2	**15310**
0.5	20	132 x 0.07	2.0	5.5	8.0	**15410**
0.75	18	195 x 0.07	2.2	8.0	12.0	**15510**
1	17	260 x 0.07	2.5	10.8	18.0	**15610**
1.5	16	192 x 0.1	3.5	15.0	22.0	**15710**
2.5	14	320 x 0.1	3.8	25.0	37.0	**15810**
4	12	512 x 0.1	4.9	40.0	50.0	**15910**

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