



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.	Wire structure	Outer Ø mm, approx.	Cu-weight kg/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	-	ca. 51 x 0.05	1.0	1.2	2.1	15101	15113	15103	15104	15102	15105	15106
0.14	26	ca. 72 x 0.05	1.0	1.4	2.6	15201	15213	15203	15204	15202	15205	15206
0.25	24	ca. 65 x 0.07	1.3	2.5	4.2	15301	15313	15303	15304	15302	15305	15306
0.5	20	ca. 132 x 0.07	2.0	5.5	8.0	15401	15413	15403	15404	15402	15405	15406
0.75	18	ca. 195 x 0.07	2.2	8.0	12.0	15501	15513	15503	15504	15502	15505	15506
1	17	ca. 260 x 0.07	2.5	10.8	18.0	15601	15613	15603	15604	15602	15605	15606
1.5	16	ca. 192 x 0.1	3.5	15.0	22.0	15701	15713	15703	15704	15702	15705	15706
2.5	14	ca. 320 x 0.1	3.8	25.0	37.0	15801	15813	15803	15804	15802	15805	15806
4	12	ca. 512 x 0.1	4.9	40.0	50.0	15901	15913	15903	15904	15902	15905	15906
6	10	ca. 768 x 0.1	6.0	60.0	71.0	15093	15135	15115	15116	15114	-	-
10	8	ca. 1280 x 0.1	7.3	100.0	130.0	15094	15136	15118	15119	15117	-	-
16	6	ca. 2048 x 0.1	8.8	160.0	187.0	15095	15137	15121	15122	15120	-	-
25	4	ca. 3234 x 0.1	9.9	240.0	294.0	15096	15138	15124	15125	15123	-	-
35	2	ca. 4508 x 0.1	11.7	336.0	380.0	15097	15139	15127	15128	15126	-	-
50	1	ca. 6468 x 0.1	14.7	480.0	521.0	15098	15140	15130	15131	15129	-	-
70	2/0	ca. 8967 x 0.1	15.5	672.0	740.0	15099	15141	15133	15134	15132	-	-

PVC single core, extra finely stranded, highly flexible

Cross-sec. mm²	AWG, approx.	Wire structure	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.	violet	yellow	orange	green	dark blue	pink	beige
						Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
0.1	-	ca. 51 x 0.05	1.0	1.2	2.1	15107	15108	15109	15100	151015	15111	15112
0.14	26	ca. 72 x 0.05	1.0	1.4	2.6	15207	15208	15209	15200	152015	15211	15212
0.25	24	ca. 65 x 0.07	1.3	2.5	4.2	15307	15308	15309	15300	153015	15311	15312
0.5	20	ca. 132 x 0.07	2.0	5.5	8.0	15407	15408	15409	15400	154015	15411	15412
0.75	18	ca. 195 x 0.07	2.2	8.0	12.0	15507	15508	15509	15500	155015	15511	15512
1	17	ca. 260 x 0.07	2.5	10.8	18.0	15607	15608	15609	15600	156015	15611	15612
1.5	16	ca. 192 x 0.1	3.5	15.0	22.0	15707	15708	15709	15700	157015	15711	15712
2.5	14	ca. 320 x 0.1	3.8	25.0	37.0	15807	15808	15809	15800	158015	15811	15812
4	12	ca. 512 x 0.1	4.9	40.0	50.0	15907	15908	15909	15900	159015	15911	15912

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

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