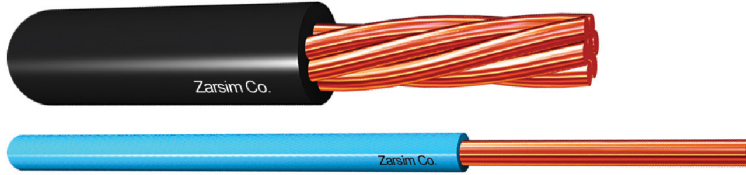


PVC insulated, non-sheathed cable for internal wiring, single core and twisted twin cable, up to 450/750 V



Application:

- In dry rooms, apparatus, switch and distribution boards, for fixed installation in conduits, over and under plaster and on insulated supports over plaster. Direct laying in plaster is not permitted.
- Minimum bending radius: 4 times of maximum overall diameter.

Standard:

- ISIRI (607)01
- ISIRI (607)05
- EC (60227)01
- IEC (60227)05
- BS 6004
- HD 21

Construction:

- Annealed copper conductor, class 1 & 2.
- PVC insulation, type C.

General specification:

- Working temperature: Max. 70°C.
- Harmonized code designation and rated voltage:
solid conductor : H05V-U (300/500 V), H07V-U (450/750 V), stranded conductor: H05V-R (300/500 V), H07V-R(450/750 V).

PVC insulated, non-sheathed cable for internal wiring, single core and twisted twin cable, up to 450/750 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Overall diameter	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm ²	mm	mm	mm	MΩ.km	kg/km	Ω/km
0.5	1 x 0.80	0.6	2.3	0,015	9	36.0
0.75	1 x 0.98	0.6	2.5	0,012	11	24.5
1	1 x 1.13	0.6	2.7	0,011	15	18.1
1.5	1 x 1.38	0.7	3.2	0.011	21	12.1
2.5	1 x 1.78	0.8	3.9	0.010	31	7.41
4	1 x 2.25	0.8	4.4	0.0085	48	4.61
6	1 x 2.76	0.8	5.0	0.0070	68	3.08
10	1 x 3.57	1.0	6.4	0.0070	112	1.83
0.5	7 x 0.31	0.6	2.4	0.014	10	36.0
0.75	7 x 0.37	0.6	2.6	0.012	14	24.5
1	7 x 0.43	0.6	2.8	0.011	17	18.1
1.5	7 x 0.52	0.7	3.3	0.010	21	12.1
2.5	7 x 0.67	0.8	4.0	0.009	33	7.41
4	7 x 0.85	0.8	4.6	0.0077	51	4.61
6	7 x 1.04	0.8	5.2	0.0065	72	3.08
10	7 x 1.35	1.0	6.7	0.0065	118	1.83
16	7 x 1.70	1.0	7.8	0.0050	178	1.15
25	7 x 2.14	1.2	9.7	0.0050	279	0.727
35	7 x 2.52	1.2	10.9	0.0043	376	0.524
50	19 x 1.78	1.4	11.8	0.0043	508	0.387
70	19 x 2.14	1.4	13.6	0,0035	699	0.268
95	19 x 2.52	1.6	16.0	0,0035	985	0.193
120	37 x 2.03	1.6	17.6	0,0032	1225	0.153
150	37 x 2.25	1.8	19.5	0,0032	1505	0.124
185	37 x 2.52	2.0	21.8	0,0032	1890	0.0991
240	37 x 2.88	2.2	24.7	0,0032	2410	0.0754



PVC insulated, non-sheathed, heat resisting cable for internal wiring, single core and twisted twin, 300/500 V



Application:

- In dry rooms, apparatus, switch and distribution boards, for fixed installation in conduits, over and under plaster and on insulated supports over plaster. Direct laying in plaster is not permitted.
- Minimum bending radius: 4 times of maximum overall diameter.

Standard:

- ISIRI (607)07
- ISIRI (607)08
- IEC (60227)07
- IEC (60227)08
- BS 6004
- HD 21

Construction:

- Annealed copper conductor, class 1, 2 & 5.
- PVC insulation, type E.

General specification:

- Rated voltage: 300/500 V.
- Working temperature: Max. 90°C.
- Harmonized code designation:
solid conductor: H05V2-U, stranded conductor: H05V2-R & flexible conductor: H05V2-K.

PVC insulated, non-sheathed, heat resisting cable for internal wiring, single core and twisted twin, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Overall diameter	Insulation resistance at 90°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm ²	mm	mm	mm	MΩ.km	kg/km	Ω/km
0.5	1 x 0.80	0.6	2.3	0.015	9	36.0
0.75	1 x 0.98	0.6	2.5	0.013	11	24.5
1	1 x 1.13	0.6	2.7	0.012	15	18.1
1.5	1 x 1.38	0.7	3.2	0.011	21	12.1
2.5	1 x 1.78	0.8	3.9	0.009	31	7.41
0.5	7 x 0.31	0.6	2.4	0.014	10	36.0
0.75	7 x 0.37	0.6	2.6	0.012	14	24.5
1	7 x 0.43	0.6	2.8	0.011	17	18.1
0.5	16 x 0.20	0.6	2.5	0.013	9	39.0
0.75	24 x 0.20	0.6	2.7	0.012	12	26.0
1	32 x 0.20	0.6	2.8	0.010	15	19.5
1.5	30 x 0.25	0.7	3.4	0.009	21	13.3
2.5	50 x 0.25	0.8	4.1	0.009	33	7.98

PVC insulated, PVC sheathed light cable, circular twin, 3-core, 4-core and 5-core, 300/500 V



Application:

- In dry, damp and wet locations, on premises and outdoors. For permanent installation above, on, in and under plaster. Not suitable for imbedding in concrete.

Standard:

- ISIRI (607)10
- IEC (60227)10
- BS 6004
- HD 21

Construction:

- Annealed solid or stranded copper conductor, class 1 & 2.
- PVC insulation, type C.
- Cores twisted together.
- Inner covering filling compound.
- PVC sheath type ST4.

General specification:

- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.

PVC insulated, PVC sheathed light cable, circular twin, 3-core, 4-core and 5-core, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm ²	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
2 x 1.5	1 x 1.38	0.7	1.2	8.7	0.011	116	12.1
2 x 1.5	7 x 0.52	0.7	1.2	9.0	0.010	120	12.1
2 x 2.5	1 x 1.78	0.8	1.2	9.9	0.010	158	7.41
2 x 2.5	7 x 0.67	0.8	1.2	10.4	0.009	165	7.41
2 x 4	1 x 1.25	0.8	1.2	10.9	0.0085	205	4.61
2 x 4	7 x 0.85	0.8	1.2	11.4	0.0077	211	4.61
2 x 6	1 x 2.76	0.8	1.2	11.9	0.0070	264	3.08
2 x 6	7 x 1.04	0.8	1.2	12.4	0.0065	280	3.08
2 x 10	1 x 3.57	1.0	1.4	14.6	0.0070	432	1.83
2 x 10	7 x 1.35	1.0	1.4	13.9	0.0065	471	1.83
2 x 16	7 x 1.70	1.0	1.4	17.6	0.0052	648	1.15
2 x 25	7 x 2.14	1.2	1.4	21.1	0.0050	984	0.727
2 x 35	7 x 2.52	1.2	1.6	23.8	0.0044	1308	0.524
3 x 1.5	1 x 1.38	0.7	1.2	9.1	0.011	134	12.1
3 x 1.5	7 x 0.52	0.7	1.2	9.5	0.010	139	12.1
3 x 2.5	1 x 1.78	0.8	1.2	11.5	0.010	187	7.41
3 x 2.5	7 x 0.67	0.8	1.2	10.8	0.009	198	7.41
3 x 4	1 x 2.25	0.8	1.2	11.4	0.0085	247	4.61
3 x 4	7 x 0.85	0.8	1.2	11.9	0.0077	261	4.61
3 x 6	1 x 2.76	0.8	1.4	13.4	0.0070	336	3.08
3 x 6	7 x 1.04	0.8	1.4	13.6	0.0065	360	3.08
3 x 10	1 x 3.57	1.0	1.4	15.6	0.0070	532	1.83
3 x 10	7 x 1.35	1.0	1.4	16.6	0.0065	575	1.83
3 x 16	7 x 1.70	1.0	1.4	18.6	0.0052	827	1.15
3 x 25	7 x 2.14	1.2	1.6	22.9	0.0050	1228	0.727
3 x 35	7 x 2.52	1.2	1.6	25.1	0.0044	1592	0.524
4 x 1.5	1 x 1.38	0.7	1.2	9.9	0.011	159	12.1
4 x 1.5	7 x 0.52	0.7	1.2	10.4	0.010	168	12.1
4 x 2.5	1 x 1.78	0.8	1.2	11.4	0.010	224	7.41
4 x 2.5	7 x 0.67	0.8	1.2	11.6	0.009	237	7.41
4 x 4	1 x 2.25	0.8	1.4	12.9	0.0085	312	4.61
4 x 4	7 x 0.85	0.8	1.4	13.4	0.0077	330	4.61
4 x 6	1 x 2.76	0.8	1.4	14.1	0.0070	426	3.08
4 x 6	7 x 1.04	0.8	1.4	14.9	0.0065	456	3.08
4 x 10	1 x 3.57	1.0	1.4	17.1	0.0070	654	1.83



PVC insulated, PVC sheathed light cable, circular twin, 3-core, 4-core and 5-core, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm ²	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
4 x 10	7 x 1.35	1.0	1.4	18.1	0.0065	705	1.83
4 x 16	7 x 1.70	1.0	1.4	20.2	0.0052	1019	1.15
4 x 25	7 x 2.14	1.2	1.6	24.9	0.0050	1589	0.727
4 x 35	7 x 2.52	1.2	1.6	27.5	0.0044	2095	0.524
5 x 1.5	1 x 1.38	0.7	1.2	10.6	0.011	190	12.1
5 x 1.5	7 x 0.52	0.7	1.2	11.0	0.010	202	12.1
5 x 2.5	1 x 1.78	0.8	1.2	12.4	0.010	270	7.41
5 x 2.5	7 x 0.67	0.8	1.2	12.6	0.009	289	7.41
5 x 4	1 x 2.25	0.8	1.4	14.1	0.0085	391	4.61
5 x 4	7 x 0.85	0.8	1.4	14.9	0.0077	413	4.61
5 x 6	1 x 2.76	0.8	1.4	15.4	0.0070	514	3.08
5 x 6	7 x 1.04	0.8	1.4	16.4	0.0065	552	3.08
5 x 10	1 x 3.57	1.0	1.4	18.9	0.0070	797	1.83
5 x 10	7 x 1.35	1.0	1.4	19.6	0.0065	860	1.83
5 x 16	7 x 1.70	1.0	1.6	23.0	0.0052	1282	1.15
5 x 25	7 x 2.14	1.2	1.6	27.4	0.0050	1910	0.727
5 x 35	7 x 2.25	1.2	1.6	30.3	0.0044	2503	0.524

PVC insulated, non-sheathed cable, 450/750 V, single core for installation at low temperatures, 450/750 V



Application:

- In dry rooms, apparatus, switch and distribution boards, for fixed installation in conduits, over and under plaster and on insulated supports over plaster. Direct laying in plaster is not permitted.
- Minimum bending radius: 4 times of maximum overall diameter.

Standard:

- BS 6004
- HD 21

Construction:

- Annealed copper conductor, class 1, 2 & 5.
- PVC insulation, type TI 4.

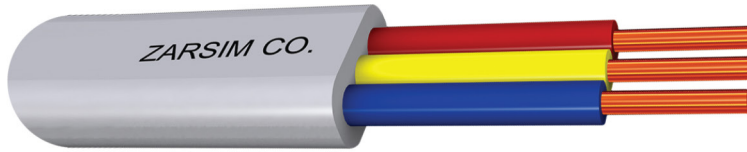
General specification:

- Rated voltage: 450/750 V.
- Working temperature: Max. 70°C.
- Harmonized code designation:
solid conductor: H07V3-U, stranded conductor: H07V3-R, flexible conductor: H07V3-K.

PVC insulated, non-sheathed cable, 450/750 V, single core for installation at low temperatures, 450/750 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Overall diameter	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm ²	mm	mm	mm	MΩ.km	kg/km	Ω/km
1.5	1 x 1.38	0.7	3.2	0.011	21	12.1
2.5	1 x 1.78	0.8	3.9	0.010	31	7.41
4	1 x 2.25	0.8	4.4	0.0087	48	4.61
6	1 x 2.76	0.8	5.0	0.0074	68	3.08
10	1 x 3.57	1.0	6.4	0.0072	112	1.83
1.5	7 x 0.52	0.7	3.3	0.010	21	12.1
2.5	7 x 0.67	0.8	4.0	0.0099	33	7.41
4	7 x 0.85	0.8	4.6	0.0082	51	4.61
6	7 x 1.04	0.8	5.2	0.0070	72	3.08
10	7 x 1.35	1.0	6.7	0.0067	118	1.83
16	7 x 1.70	1.0	7.8	0.0056	178	1.15
25	7 x 2.14	1.2	9.7	0.0053	279	0.727
35	7 x 2.52	1.2	10.9	0.0046	376	0.524
1.5	30 x 0.25	0.7	3.4	0.010	22	13.3
2.5	50 x 0.25	0.8	4.1	0.0095	34	7.98
4	56 x 0.30	0.8	4.8	0.0078	53	4.95
6	84 x 0.30	0.8	5.3	0.0068	74	3.30
10	80 x 0.40	1.0	6.8	0.0065	125	1.91
16	126 x 0.40	1.0	8.1	0.0053	194	1.21
25	196 x 0.40	1.2	10.2	0.0050	297	0.780
35	278 x 0.40	1.2	11.7	0.0043	397	0.554

PVC insulated, PVC sheathed, single core, flat twin and 3-core, 300/500 V



Application:

- Used in internal wiring for power and lighting.

Standard:

- BS 6004

Construction:

- Plain annealed copper conductor, class 1 & 2.
- PVC insulation, type T1 1.
- PVC sheath type 6.

General specification:

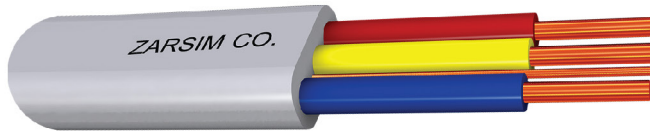
- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.

PVC insulated, PVC sheathed, single core, flat twin and 3-core, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall dimension	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm ²	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
1 x 1	1 x 1.13	0.6	0.8	4.0	0.011	16	18.1
1 x 1.5	1 x 1.38	0.7	0.8	4.4	0.011	20	12.1
1 x 2.5	1 x 1.78	0.8	0.8	5.2	0.010	25	7.41
1 x 4	7 x 0.85	0.8	0.9	5.9	0.0077	35	4.61
1 x 6	7 x 1.04	0.8	0.9	6.6	0.0065	39	3.08
1 x 10	7 x 1.35	1.0	0.9	7.9	0.0065	56	1.83
1 x 16	7 x 1.70	1.0	1.0	8.8	0.0052	71	1.15
1 x 25	7 x 2.14	1.2	1.1	11.1	0.0050	101	0.727
1 x 35	7 x 2.52	1.2	1.1	12.1	0.0044	118	0.524
2 x 1	1 x 1.13	0.6	0.9	4.2 x 6.6	0.011	54	18.1
2 x 1.5	1 x 1.38	0.7	0.9	4.8 x 7.6	0.011	71	12.1
2 x 2.5	1 x 1.78	0.8	1.0	5.5 x 9.0	0.010	106	7.41
2 x 4	7 x 0.85	0.8	1.0	6.2 x 10.3	0.0077	149	4.61
2 x 6	7 x 1.04	0.8	1.1	7.1 x 11.6	0.0065	202	3.08
2 x 10	7 x 1.35	1.0	1.2	8.6 x 14.4	0.0065	231	1.83
2 x 16	7 x 1.70	1.0	1.3	9.9 x 16.9	0.0052	464	1.15
3 x 1	1 x 1.13	0.6	0.9	4.2 x 9.0	0.011	75	18.1
3 x 1.5	1 x 1.38	0.7	0.9	4.8 x 10.5	0.011	101	12.1
3 x 2.5	1 x 1.78	0.8	1.0	5.6 x 12.4	0.010	151	7.41
3 x 4	7 x 0.85	0.8	1.1	6.4 x 14.9	0.0077	220	4.61
3 x 6	7 x 1.04	0.8	1.1	7.1 x 16.4	0.0065	292	3.08
3 x 10	7 x 1.35	1.0	1.2	8.6 x 20.4	0.0065	467	1.83
3 x 16	7 x 1.70	1.0	1.3	9.9 x 24.1	0.0052	678	1.15



PVC insulated, PVC sheathed cable, with circuit protective conductor, single core, flat twin and 3-core, 300/500 V



Application:

- Used in internal wiring for power and lighting.

Standard:

- BS 6004

Construction:

- Plain annealed copper conductor, class 1 & 2.
- PVC insulation, type Tl 1.
- Parallel circuit protective bare conductor.
- PVC sheath type 6.

General specification:

- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.

PVC insulated, PVC sheathed cable, with circuit protective conductor, single core, flat twin and 3-core, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall dimension	Circuit protective Nom.	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm ²	mm	mm	mm	mm	mm ²	MΩ.km	kg/km	Ω/km
1 x 1	1 x 1.13	0.6	0.9	4.5 x 5.7	1	0.011	40	18.1
1 x 1.5	1 x 1.38	0.7	0.9	5.1 x 6.4	1	0.011	49	12.1
1 x 1.5	7 x 0.52	0.7	0.9	5.1 x 6.4	1*	0.011	48	12.1
2 x 1	1 x 1.13	0.6	0.9	4.3 x 7.9	1	0.011	68	18.1
2 x 1.5	1 x 1.38	0.7	0.9	4.9 x 8.9	1	0.011	86	12.1
2 x 1.5	7 x 0.52	0.7	0.9	5.0 x 8.0	---	0.011	80	12.1
2 x 1.5	7 x 0.52	0.7	0.9	5.0 x 9.4	1*	0.011	88	12.1
2 x 2.5	1 x 1.78	0.8	1.0	5.6 x 10.5	1.5	0.010	128	7.41
2 x 2.5	7 x 0.67	0.8	1.0	5.8 x 9.4	---	0.010	112	7.41
2 x 2.5	7 x 0.67	0.8	1.0	5.6 x 10.8	1.5*	0.010	128	7.41
2 x 4	7 x 0.85	0.8	1.0	6.3 x 11.7	1.5	0.0077	172	4.61
2 x 6	7 x 1.04	0.8	1.1	7.1 x 13.7	2.5	0.0065	238	3.08
2 x 10	7 x 1.35	1.0	1.2	8.6 x 17.2	4	0.0065	380	1.83
2 x 16	7 x 1.70	1.0	1.3	10.0 x 20.1	6	0.0052	550	1.15
3 x 1	1 x 1.13	0.6	0.9	4.4 x 10.3	1	0.011	90	18.1
3 x 1.5	1 x 1.38	0.7	0.9	4.9 x 11.4	1	0.011	116	12.1
3 x 2.5	1 x 1.78	0.8	1.0	5.6 x 13.4	1	0.010	173	7.41
3 x 4	7 x 0.85	0.8	1.1	6.5 x 16.2	1.5	0.0077	244	4.61
3 x 6	7 x 1.04	0.8	1.1	7.2 x 18.2	2.5	0.0065	328	3.08
3 x 10	7 x 1.35	1.0	1.2	8.6 x 22.2	4	0.0065	526	1.83
3 x 16	7 x 1.70	1.0	1.3	10.0 x 27.0	6	0.0052	764	1.15

*: Class 2 conductor

