

PVC insulated, non-sheathed cable for internal wiring, single core and twisted twin

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
- IEC (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).

Cross-sectional area Nom. mm ²	No. of wires x diameter Nom. mm	Insulation thickness mm	Mean overall diameter mm	Insulation resistance at 70°C Min. MΩ.km	Weight Approx. kg/km	Conductor resistance at 20°C Max. Ω/km
0.5	1 x 0.8	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	17.5	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