

# BUILDING WIRES PVC INSULATED AND SHEATH



- 4
  - 3
  - 2
  - 1
1. Solid or stranded conductor
  2. PVC insulation
  3. Inner covering
  4. PVC outersheath

**TYPE OF CABLE:** NYM  
**VOLTAGE:** 300/500V  
**SPECIFICATIONS:** VDE 0250-204

### Applications

For installations in dry, damp and wet rooms above and under plaster.

### Colours

NUMBER OF CORES	WITH GREEN/YELLOW CORE	WITHOUT GREEN/YELLOW CORE
1	GREEN/YELLOW	BLACK
2	-	BLUE - BROWN
3	GREEN/YELLOW - BLUE - BROWN	BROWN - BLACK - GREY
4	GREEN/YELLOW - BROWN - BLACK - GREY	BLUE - BROWN - BLACK - GREY
5	GREEN/YELLOW - BLUE - BROWN - BLACK - GREY	BLUE - BROWN - BLACK - GREY - BLACK
above 5	BLACK CORES WITH WHITE OR YELLOW NUMBERS, THE GREEN/YELLOW CORE IS LOCATED IN THE OUTER LAYER OF THE LAID UP CORES	BLACK CORES WITH WHITE OR YELLOW NUMBERS

CONDUCTOR NOMINAL CROSS- SECTIONAL AREA	EXTERNAL DIAMETER (APPROX.)	NET WEIGHT (APPROX.)	MAXIMUM CONDUCTOR DC RESISTANCE AT 20° C	CONTINUOUS CURRENT RATING	VOLTAGE DROP	
					1 phase	3 phase
mm <sup>2</sup>	mm	Kg/Km	Ω/Km	A	mV/A/m	
1 X 1,5 RE	6	45	12,1	18,5	29	25
1 X 2,5 RE	6	60	7,41	25	18	15
1 X 4 RE	7	85	4,61	34	11	9,5
1 X 6 RE	8	110	3,08	43	7,3	6,4
1 X 10 RE	9	160	1,83	60	4,4	3,8
1 X 16 RM	10	225	1,15	80	2,8	2,4
2 X 1,5 RE	9	115	12,1	18,5	29	-
2 X 2,5 RE	10	155	7,41	25	18	-
3 X 1,5 RE	9	130	12,1	18,5	29	25
3 X 2,5 RE	1	185	7,41	25	18	15
3 X 4 RE	12	260	4,61	34	11	9,5
3 X 6 RE	14	355	3,08	43	7,3	6,4
3 X 10 RE	16	535	1,83	60	4,4	3,8
4 X 1,5 RE	10	155	12,1	18,5	-	25
4 X 2,5 RE	11	220	7,41	25	-	15
4 X 4 RE	14	330	4,61	34	-	9,5
4 X 6 RE	15	430	3,08	43	-	6,4
4 X 10 RE	18	655	1,83	60	-	3,8
4 X 16 RM	21	960	1,15	80	-	2,4
4 X 25 RM	25	1450	0,727	101	-	1,5
4 X 35 RM	28	1885	0,524	126	-	1,1
5 X 1,5 RE	11	180	12,1	18,5	-	25
5 X 2,5 RE	12	255	7,41	25	-	15
5 X 4 RE	15	385	4,61	34	-	9,5
5 X 6 RE	16	510	3,08	43	-	6,4
5 X 10 RE	19	780	1,83	60	-	3,8
5 X 16 RM	23	1160	1,15	80	-	2,4
5 X 25 RM	27	1730	0,727	101	-	1,5
7 X 1,5 RE	11	225	12,1	18,5	-	25
7 X 2,5 RE	14	335	7,41	25	-	15

**Note:** The above ratings are given for 30°C ambient temperature. For other ambient temperatures, and number of loaded cores the correction factor is:

Temperature °C	15	20	25	35	40	45	50
Correction factor	1,14	1,09	1,04	0,96	0,91	0,87	0,82