

## INDUSTRIAL CABLES

### LOW VOLTAGE - POWER CABLES

#### RIGID - COPPER - 600/1000 V

#### U 1000 R2V

NF C 32-321



#### CONDUCTOR

Plain copper, solid, class1 (cross section  $\leq 4 \text{ mm}^2$ ).

Plain copper, stranded wire, class 2 (cross section  $\geq 6 \text{ mm}^2$ ).

Max. operating temperature : 90°C. Max short circuit temperature : 250°C.

#### INSULATION

XLPE (cross linked polyethylene).

Identification color of sheathed cable cores.

A					
B	black	brown-black	black-grey-brown	grey-blue-brown-black	grey-blue-brown-black-G/Y

#### INNER SHEATH

Thermoplastic filling compound.

#### OUTER SHEATH PVC

Color black. **Printing** : U 1000 R2V - Nb Cond. (X ou G) S en  $\text{mm}^2$  - USE - Manufacture n°.

X : cable without G/Y (Ex : 2 X 1,5). G : cable with G/Y (Ex : 4 G 2,5)

#### USE AND INSTALLATION METHOD


Cable suitable for use on industrial sites and for the upright columns of building. Not suitable to lay this cable in ground flouder for more than two months per year. Can be used without additional mechanical protection in the open air.

Recommanded mini bending radius : 6D.

SIZE MM <sup>2</sup>	APPROX OVERALL DIAMETER MM	APPROX WEIGHT KG/KM
<b>1 COPPER CORE</b>		
1,5 M	6,6	40
2,5 M	7	55
4 M	7,6	70
6	8,2	95
10	9,2	135
16	10,5	195
25	12,5	305
35	13,5	400
50	15	530
70	17	730
95	19	1000
120	21	1260
150	23	1545
185	25,5	1925
240	28,5	2645
300	31	3075
400	32,4	3900
<b>2 COPPER CORES</b>		
1,5 M	10,5	105
2,5 M	11,5	135
4 M	13	190
6	14	255
10	16	365
16	18,5	515
25	22	780
35	24,5	1035

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SIZE MM <sup>2</sup>	APPROX OVERALL DIAMETER MM	APPROX WEIGHT KG/KM
<b>3 COPPER CORES</b>		
1,5 M	11	125
2,5 M	12,5	165
4 M	13,5	225
6	15	315
10	17	455
16	19,5	660
25	23,5	1030
35	26	1370
<b>3 COPPER CORES + NEUTRAL</b>		
3 X 50 + 35	31,1	2130
3 X 70 + 50	36,2	3000
3 X 95 + 50	40,6	3910
3 X 120 + 70	45,6	5090
3 X 150 + 70	49,5	6150
3 X 185 + 70	54,4	7620
3 X 240 + 95	61,5	9770
<b>4 COPPER CORES</b>		
1,5 M	12	145
2,5 M	13	195
4 M	14,5	275
6	16	385
10	18,5	565
16	21	835
25	25,5	1295
35	28,5	1720
50	32,5	2280
70	37,5	3220
95	42,5	4395
120	47,5	5570
150	52,5	6845
185	59	8820
<b>5 COPPER CORES</b>		
1,5 M	13	175
2,5 M	14,5	230
4 M	16	330
6	17,5	470
10	20	695
16	23	1110
25	28	1590
35	31,5	2080
50	34,2	2710

						
-10°C +90°C	Good	Good	Good	Good	Acceptable	Good