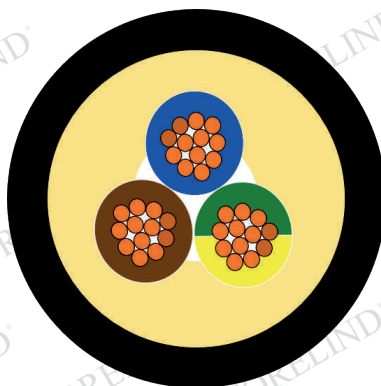


## LOW VOLTAGE CABLE



Drawing is only illustrative

### CABLE CONSTRUCTION AND SPECIFICATIONS

#### CONDUCTOR

SOLID cl. 1 red copper  
RIGID cl. 2 red copper  
FLEXIBLE cl. 5 red copper

#### INSULATION

PVC  
HEPR  
XLPE

#### OUTER SHEATH

PVC in RZ/ST2 Quality  
HALOGEN FREE

#### CHARACTERISTICS

Nominal voltage $U_0$	0,6 - 1 kV
Maximum operating temperature	+ 90° C
Maximum short circuit temperature	+ 250° C
Min. operating temperature (without mechanical shocks)	- 15° C
Minimum installation and use temperature	0° C
Minimum bending radius per D cable diameter (in mm)	14 D
Minimum pulling stress	During installation

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This is a part of our products range. For any technical information or change of cable type do not hesitate to contact our sales department.

## DATASHEET

Core number	Cross section	Approx external production diameter	Approx cable weight
(N°)	(mm <sup>2</sup> )	(mm)	(kg/km)

### SINGLE CORE

1x	1.5 U	6.4	50
1x	2.5 U	6.9	60
1x	4 U	7.5	80
1x	6 U	8.1	100
1x	10 R	9.0	150
1x	16 R	10.0	210
1x	25 R	11.7	320
1x	35 R	13.0	410
1x	50 R	14.7	530
1x	70 R	16.6	750
1x	95 R	18.6	1050
1x	120 R	20.5	1300
1x	150 R	22.8	1600
1x	185 R	25.0	2000
1x	240 R	27.9	2500
1x	300 R	30.7	3100
1x	400 R	35.0	3900
1x	500 R	38.5	5000
1x	630 R	43.0	6100

### TWO CORES

2x	1.5 U	11.5	140
2x	2.5 U	12.4	180
2x	4 U	13.6	220
2x	6 U	14.7	280
2x	10 R	16.6	430
2x	16 R	18.6	600
2x	25 R	22.1	930
2x	35 R	24.6	1200
2x	50 R	28.1	1600
2x	70 R	31.7	2200
2x	95 R	35.9	2900
2x	120 R	39.8	3500

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## DATASHEET

Core number	Cross section	Approx external production diameter	Approx cable weight
(N°)	(mm <sup>2</sup> )	(mm)	(kg/km)

### THREE CORES

3x	1.5 U	12.0	170
3x	2.5 U	13.0	210
3x	4 U	14.3	270
3x	6 U	15.5	360
3x	10 R	17.5	540
3x	16 R	19.7	770
3x	25 R	23.4	1200
3x	35 R	26.2	1500
3x	50 R	29.9	2000
3x	70 R	34.1	2800
3x	95 R	38.3	3700
3x	120 R	44.7	4500
3x	150 R	42.5	5600
3x	185 R	52.9	6900
3x	240 R	59.3	8900

### FOUR CORES

4x	1.5 U	12.9	210
4x	2.5 U	14.0	260
4x	4 U	15.4	350
4x	6 U	16.7	460
4x	10 R	19.0	700
4x	16 R	21.5	1000
4x	25 R	25.7	1500

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## DATASHEET

Core number	Cross section	Approx external production diameter	Approx cable weight
(N°)	(mm <sup>2</sup> )	(mm)	(kg/km)

### THREE CORES

3x	35 + 25 R	28.0	1800
3x	50 + 25 R	31.1	2200
3x	70 + 35 R	35.4	3100
3x	95 + 50 R	40.3	4100
3x	120 + 70 R	44.9	5200
3x	150 + 95 R	50.3	6400
3x	185 + 95 R	54.9	7800
3x	240 + 150 R	62.8	10300
3x	300 + 150 R	67.8	12300
3x	400 + 240 R	78.8	16200

### FIVE CORES

5x	1.5 U	13.8	260
5x	2.5 U	15.0	330
5x	4 U	16.5	460
5x	6 U	18.1	570
5x	10 R	20.6	860
5x	16 R	23.4	1200
5x	25 R	28.0	1800
5x	35 R	31.5	2300
5x	50 R	36.5	3100

### NOTE

Multicores cables can be manufactured with Y/G core too.

Current carrying capacities for single core cables are calculated on 3 close cables, for two core cables with two charged conductors and for three core cables with three charged conductors. Outer diameters are nominal and they can have variations of max +/- 3%. Current carrying capacities according to UNEL 35026 with underground laying standard CEI 64-8-61 (ground temp=20°C, depth=0.8m, ground resistivity=1,5 k m/W.).

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**FORELIND<sup>®</sup>**  
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