



# Becatech

Interconnective Power



## Chemical resistant cable (RADOX 4)

### Cable Structure :

Conductor: stranded tin plated copper according to EN 60228 (class 5).

Insulation: RADOX EI 110.

Outer sheath: RADOX EI 109.

### Technical Specification :

Rated temperature: -50°C to 120°C.

Characteristics and specialties:

- Complies with the most demanding of material requirements, as defined in EN 50264-3-1 1800V.
  - Extra low temperature.
  - Extra oil resistant.
  - Extra fuel resistance.
- Resistance to ozone and weathering.
- Broad product range.

### Application :

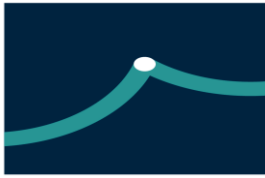
For protected connections of fixed and sporadic moving parts inside and outside of rolling stock.

Guidelines for selections and the installation are described in the standards EN 50355 and EN 50343.

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IBAN BE89363217265185  
VAT BE0777.903.079  
CoC 0777.903.079



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Cross Section mm <sup>2</sup>	Conductor		Core Diameter mm	Conductor Resistance	Capacity CH20 pF/m	Weight	
	Construction N x mm	diameter mm				Cu (kg/100m)	Cable (kg/100m)
0.5	19 x 0.18	0.90	2.45 +/- 0.10	38.5	236	0.5	1.1
0.75	24 x 0.20	1.10	2.65 +/- 0.10	26.7	276	0.7	1.4
1	37 x 0.18	1.20	3.00 +/- 0.10	20.0	266	0.9	1.8
1.5	37 x 0.23	1.50	3.55 +/- 0.10	13.7	307	1.4	2.5
2.5	61 x 0.23	1.95	3.75 +/- 0.10	8.21	362	2.2	3.5
4	61 x 0.29	2.40	4.50 +/- 0.10	5.1	396	3.5	5.2
6	84 x 0.30	2.95	5.20 +/- 0.15	3.4	419	5.2	7.4
10	80 x 0.40	3.90	6.40 +/- 0.15	1.95	488	9.1	12
16	119 x 0.40	5.30	8.40 +/- 0.20	1.24	535	13	19
25	182 x 0.40	6.60	10.2 +/- 0.30	0.8	565	21	28
35	266 x 0.40	7.80	11.7 +/- 0.30	0.57	607	30	40
50	378 x 0.40	9.30	13.5 +/- 0.30	0.39	660	43	54
70	348 x 0.50	11.4	15.8 +/- 0.30	0.28	755	61	75
95	444 x 0.50	12.8	17.5 +/- 0.30	0.21	808	78	95
120	570 x 0.50	14.9	19.8 +/- 0.30	0.16	862	100	120
150	722 x 0.50	16.8	22.1 +/- 0.30	0.13	894	127	150
185	874 x 0.50	18.3	24.0 +/- 0.30	0.11	903	153	182
240	1147 x 0.50	21.1	27.0 +/- 0.30	0.082	994	201	235
300	1443 x 0.50	23.7	29.9 +/- 0.40	0.065	1060	251	291
400	1952 x 0.50	27.3	34.1 +/- 0.50	0.005	1115	342	392

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