

RADOX® EN 50264-3-2 600V MM S

Conductor	EN 60228, class 5	Voltage rating	600/1000 V AC
Number of conductors	2 - 4		900 V DC
Cross section	1.5 - 50 mm²	Temperature range	-50 to +120 °C



Composition of cable

1. Cores EN 50264-3-1 600V	conductor dual wall insulation colour	stranded, tin plated copper RADOX EI 110/RADOX EI 109 black, numbered
2. Screen	tin plated copper braid	
3. Separator	tape	
4. Sheath	RADOX EM 104	colour: black

Characteristics and specialities

- Dual wall insulation of high tech polymers with excellent electrical properties
- Halogen free and flame retardant
- Extra oil and fuel resistant
- Excellent resistance to high and low temperature
- Resistance to ozone and weathering
- Flexible
- Easy to strip

Application

- The cables are intended for permanent routing in rolling stock, or for locations subject to limited reciprocal bending stresses during operation.
- Specifications relating to the selection and installation of cables are described in standards EN 50355 and EN 50343.

Normen

Standard	Fire protection on railway vehicles	
DIN 5510-2	hazard level	1, 2, 3, 4
EN 45545-2		
GOST 31565		
NF F 16-101	class, category	C/F0, int. A1, A2, B/ext. A1, A2, B
UNI CEI 11170-3		

For further technical details please refer to our data sheet.



multi core, screened

Core cross section	Conductor	Core	Screen		Cable	Conduct. resistance	Z _T	Capacity*		Fire load	Weight		Co-lour	Item no.
n × mm ²	D _{nom.} mm	D _{nom.} mm	D _{max.} mm	D _{nom.} mm ²	D mm	R ₂₀ max. Ω/km	max. mΩ/m	CH20 pF/m*	CH20 pF/m**	nom. kJ/m	Copper kg/100 m	Cable kg/100 m		
7 G 1	1.22	2.5	8.4	3.2	10.4 ± 0.4	20	50			1319	9.5	19.4	BK	85013471
2 × 1.5	1.52	3.0	6.5	2.1	8.3 ± 0.3	13.5	80	150	255	850	4.9	11	BK	12585382
3 × 1.5 3 G 1.5	1.52	3.0	7.0	2.4	8.7 ± 0.3	13.5	70	150	255	940	6.6	14	BK GNYE	12586211 12586212
4 × 1.5 4 G 1.5	1.52	3.0	8.1	3.3	10.0 ± 0.3	13.5	60	150	255	1220	8.7	18	BK GNYE	12586213 12586214
2 × 2.5	1.94	3.35	7.3	2.4	9.0 ± 0.3	8.2	70	177	300	1010	6.9	14	BK	12586215
3 × 2.5	1.94	3.35	7.9	2.3	9.5 ± 0.3	8.2	60	177	300	1100	9.1	18	BK	12586216
4 × 2.5 4 G 2.5	1.94	3.35	9.0	3.8	11.1 ± 0.4	8.2	50	177	300	1500	13	24	BK GNYE	12586217 12586218
2 × 4	2.40	4.25	9.2	3.7	11.3 ± 0.4	5.1	50	170	290	1720	11	23	BK	12586219
3 × 4	2.40	4.25	10.1	5.5	12.4 ± 0.4	5.1	50	170	290	1845	16	29	BK	12586220
4 × 4	2.40	4.25	11.4	6.3	13.5 ± 0.4	5.1	40	170	290	2145	20	36	BK	12586221
2 × 6	2.93	4.85	10.6	5.5	12.7 ± 0.4	3.4	40	190	320	2065	16	31	BK	12586222
3 × 6	2.93	4.85	11.4	6.3	13.5 ± 0.4	3.4	40	190	320	2205	22	38	BK	12586223
4 × 6 4 G 6	2.93	4.85	12.9	7.1	15.1 ± 0.4	3.4	40	190	320	2655	28	47	BK GNYE	12586224 12586225
2 × 10	3.89	5.75	12.4	7.1	14.7 ± 0.4	2	40	230	385	2630	26	44	BK	12586226
3 × 10	3.89	5.75	13.3	7.1	15.6 ± 0.4	2	30	230	385	2810	34	54	BK	12586227
4 × 10 4 G 10	3.89	5.75	14.9	8.3	17.7 ± 0.5	2	30	230	385	3545	45	70	BK GNYE	12586228 12586229
5 G 10	3.89	5.75	17.1	10.6	20 ± 0.5	2	25	230	385	4416	57	87	BK	84117003
2 × 16	5.30	7.05	15.0	7.5	17.6 ± 0.5	1.25	30	280	480	3200	35	59	BK	12586230
3 × 16	5.30	7.05	16.4	10.6	19.2 ± 0.5	1.25	30	280	480	3900	52	80	BK	12586231
4 × 16	5.30	7.05	18.4	12.3	21.4 ± 0.5	1.25	25	280	480	4880	67	102	BK	12586232
5 G 16	5.30	7.05	20.9	13.7	24.2 ± 0.5	1.25	25	280	480	6265	82	126	BK	85002921
2 × 25	6.60	8.60	18.3	10.6	21.4 ± 0.5	0.8	25	290	495	5100	53	90	BK	12586233
3 × 25	6.60	8.60	19.7	12.4	22.7 ± 0.5	0.8	25	290	495	5400	75	115	BK	12586234
4 × 25	6.60	8.60	22.5	16.6	26.1 ± 0.5	0.8	20	290	495	7000	98	150	BK	12586235
2 × 35	7.80	10.1	21.3	13.7	24.6 ± 0.5	0.6	25	295	500	6900	75	125	BK	12586236
3 × 35	7.80	10.1	23.2	18.0	26.7 ± 0.5	0.6	20	295	500	7300	110	165	BK	12586237
3 × 35 + 1 × 25	7.80 6.60	10.1 8.60	26.0	19.4	30 ± 0.6	0.6 0.8	20	295	500	8600	130	190	BK GNYE	12586238
2 × 50	9.30	11.60	24.5	18.0	28.3 ± 0.6	0.4	20	320	545	8700	110	170	BK	12586239
3 × 50	9.30	11.60	26.4	20.8	30.8 ± 0.6	0.4	20	320	545	8800	150	215	BK	12585383
3 × 50 + 1 × 25	9.30 6.60	11.60 8.60	29.5	22.2	33.7 ± 0.6	0.4 0.8	20	320	545	9800	180	225	BK GNYE	12586241

* capacity in water, typical value; core-core

** capacity in water, typical value; core-screen

MM: insulation and sheath material designation according to EN 50264-1

S: metallic screen braid

