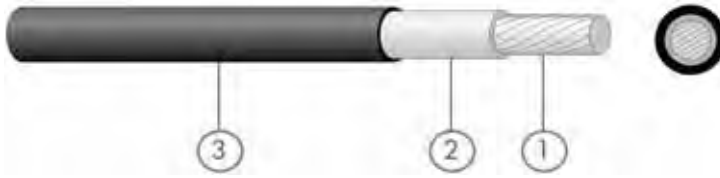


# RADOX® 4 GWK-AX

Single Core



## Application

For protected, fixed installation inside and outside railway vehicles for connecting fixed and moving parts, especially suitable for applications in diesel, for direct and alternating voltage operations.

## Composition of Cable

1. Conductor stranded tin plated copper, acc. to IEC60228 cl.5.
2. Insulation RADOX® GWK K.
3. Sheath RADOX® GWK S, colour: black.

## Characteristics and Specialities

- Resistance to oil, diesel oil, abrasion, ozone and weathering.
- Improved fire performance.
- Halogen free.
- Low smoke.
- Low toxicity.
- Flame retardant.
- Soldering resistant.
- Easy to strip.
- Flexible.
- Weight optimised.

## Specifications

- **Conductor Class:** IEC 60228 class 5.
- **Number of Conductors:** 1.
- **Cross Section:** 1 - 400mm<sup>2</sup>
- **Voltage Rating:** 1800/3000 V a.c., 2700/4500 V d.c.
- **Temperature Range:** -40°C to +120°C.

## Standards

Standard	Fire Protection on Railway Vehicles
BS 6853	Category int. Ia, Ib, II / ext. Ia, Ib, II
DIN 5510-2	Protection level 1, 2, 3, 4
NF F16-101	Class C / FO
NF F16-101	Category int. A1, A2, B / ext. A1, A2, B

# RADOX® 4 GKW-AX

Single Core

Anixter Part Number	HUBER + SUHNER	Cable Type mm <sup>2</sup>	Conductor		Insulation Thickness minimum mm	Cable Diameter <sup>Ø</sup> nom mm	Conductor Resistance @ 20°C <sup>R</sup> 20 Ω/km	Capacitance ** C nom pF/m	Fire Load kJ/	Weight	
			Construction n x mm	<sup>d</sup> nom mm						Copper kg/100m	Cable kg/100m
4GKW-AX-0010	12555986	1	32x0.20	1.30±0.05	0.775	2.85±0.10	20.00	208	112	0.9	1.7
4GKW-AX-0015	12536686	1.5	30x0.26	1.52±0.05	0.70	3.20±0.10	13.70	254	154	1.3	2.2
4GKW-AX-0025	12536692	2.5	50x0.26	1.95±0.05	0.80	3.75±0.10	8.21	292	200	2.2	3.4
4GKW-AX-0040	12536694	4	56x0.31	2.46±0.10	0.85	4.50±0.10	5.09	322	275	3.4	5.2
4GKW-AX-0060	12536696	6	84x0.31	2.93±0.10	0.90	5.10±0.15	3.39	350	340	5.2	7.4
4GKW-AX-0100	12545527	10	80x0.41	3.89±0.20	1.00	6.35±0.15	1.95	392	489	9.1	12
4GKW-AX-0160	12545528	16	119x0.41	5.30±0.20	1.20	8.30±0.20	1.24	447	834	13	18
4GKW-AX-0250	12545529	25	182x0.41	6.60±0.20	1.35	10.2±0.30	0.795	451	1260	21	28
4GKW-AX-0350	12545530	35	266x0.41	7.80±0.20	1.55	11.7±0.30	0.565	489	1568	30	39
4GKW-AX-0050	12545531	50	378x0.41	9.30±0.20	1.85	13.6±0.30	0.393	512	1960	43	55
4GKW-AX-0700	12545532	70	348x0.51	11.4±0.30	1.75	15.6±0.30	0.277	619	2514	61	73
4GKW-AX-0950	12545533	95	444x0.51	12.8±0.30	1.90	17.3±0.30	0.210	640	2743	78	94
4GKW-AX-1200	12544522	120	551x0.51	14.6±0.40	2.10	19.6±0.30	0.164	650	3485	94	118
4GKW-AX-1500	12545534	150	722x0.51	16.8±0.40	2.15	21.9±0.30	0.132	719	3998	127	151
4GKW-AX-1850	12544523	185	874x0.51	18.3±0.40	2.35	23.8±0.30	0.108	725	4751	153	180
4GKW-AX-2400	12547684	240	1147x0.51	21.1±0.60	2.50	26.9±0.30	0.0817	791	5958	201	229
4GKW-AX-3000	12552906	300	1443x0.51	23.7±0.60	2.50	29.7±0.30	0.0654	918	6510	253	291
4GKW-AX-4000	12555997	400	2016x0.51	29.1±0.70	2.60	35.8±0.50	0.0495	955	8741	353	404

\* typical value x single wire diameter, conductor resistance at 20 °C according to IEC 60228.

\*\* capacity in water, typical value.

Other colours on request.