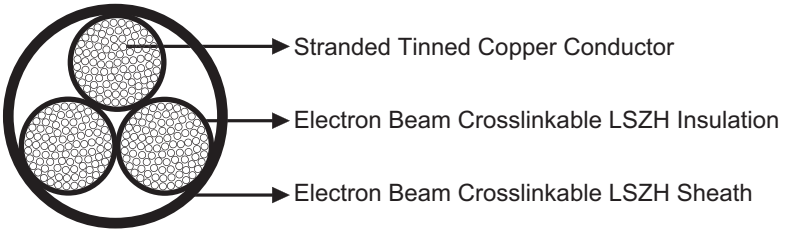
3GKW-SW/S 0.6/1KV
Standard Wall Multicore

Applications

Multi core power and control cable designed for protected, fixed installation inside and outside railway vehicles for connecting fixed and moving parts in direct current and alternating voltage technology, especially converter technology.

Standard

- BS 6853 -1a
- DIN 5510-2 1-4
- NFF 16-101 F0



Construction

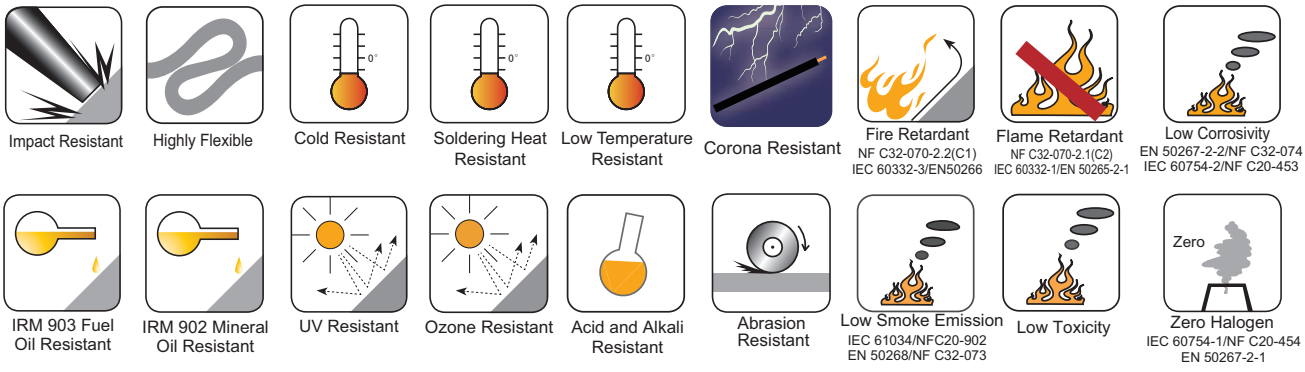
- **Conductors:** Circular Class 5 stranded tinned copper to IEC60228/VDE 0295.
- **Insulation:** Electron beam crosslinkable LSZH compound.
- **Sheath:** Electron beam crosslinkable LSZH compound.

Electrical Characteristics at 20℃

Nominal Conductor Cross Section	mm²	0.5	0.75	1	1.5	2.5	4.0
Maximum Conductor Resistance	Ω/km	40.1	26.7	20.0	13.7	8.21	5.09
Voltage Rating	KV	0.6/1					

Mechanical and Thermal Properties

Minimum Bending Radius: 4xOD (Static); 6xOD (Flexing)
Temperature Range: -60℃ ~+120℃ (Static); -40℃ ~+90℃ (Flexing)
Short Circuit Temperature: +280℃

↘ Dimensions and Weight

No. of cores& Nominal Conductor Cross Sectional Area No.×mm²	Number and Nominal Diameter of Strands No/mm	Nominal Insulation Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
2×0.5	16/0.20	0.6	5.5	39
3×0.5	16/0.20	0.6	5.7	50
4×0.5	16/0.20	0.6	6.3	62
5×0.5	16/0.20	0.6	6.9	74
7×0.5	16/0.20	0.6	8.2	99
10×0.5	16/0.20	0.6	9.3	125
2×0.75	24/0.20	0.6	6.0	49
3×0.75	24/0.20	0.6	6.2	63
4×0.75	24/0.20	0.6	6.9	77
5×0.75	24/0.20	0.6	7.7	96
7×0.75	24/0.20	0.6	9.1	131
2×1.0	32/0.20	0.6	6.4	59
3×1.0	32/0.20	0.6	6.8	78
4×1.0	32/0.20	0.6	7.4	93
5×1.0	32/0.20	0.6	8.3	115
7×1.0	32/0.20	0.6	9.9	163
2×1.5	30/0.25	0.7	7.1	75
3×1.5	30/0.25	0.7	7.4	96
4×1.5	30/0.25	0.7	8.3	120
5×1.5	30/0.25	0.7	9.1	146
7×1.5	30/0.25	0.7	11.1	173
12×1.5	30/0.25	0.7	13.4	305
2×2.5	50/0.25	0.7	8.5	115
3×2.5	50/0.25	0.7	8.9	149
4×2.5	50/0.25	0.7	9.9	183
5×2.5	50/0.25	0.7	11.1	228
7×2.5	50/0.25	0.7	13.0	309
3×4	56/0.30	0.7	10.2	207
4×4	56/0.30	0.7	11.3	261
5×4	56/0.30	0.7	12.6	324