



Siechem GKW-LW/T EMC Multi Core, Screened, 600/1000V AC, 900/1500V DC, EBXL 120°C Rolling Stock Cable

Application

- ✓ For carriage wiring, terminal boxes, control panels, wiring harness in inside/outside the moving rail vehicles and buses.
- ✓ For Rail/Bus and other transport vehicles.
- ✓ For switch gears and control gear manufacturing.

Features

- ✓ Excellent resistance to high and low temperature
- ✓ Outstanding Flame retardant
- ✓ Halogen free
- ✓ Special construction to save space and weight
- ✓ Thin walled with excellent flexibility
- ✓ Resistance to oil, fuel, ozone, damp and humid weather conditions
- ✓ Smooth and abrasion resistant surface
- ✓ Easy to strip
- ✓ Low smoke density
- ✓ Soldering iron resistant
- ✓ Electron Beam Cross Linked.
- ✓ Resistance to corona effect.

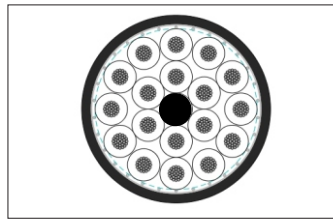
Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, Flexible. (Unilay*)
- ✓ Insulation : EBX - LSZH (Code M)
- ✓ Screen : Tinned Copper Braid-S
- ✓ Separator Tape
- ✓ Outersheath : EBXL - LSZH (EM 104) (Code M)
- ✓ Black colour or as per customer order.

Technical Data

- ✓ Temperature Range : -50°C to +120°C.
- ✓ Rated Voltage : 600/1000V AC 900/1500V DC
- ✓ Test voltage : 2 kV AC for 5 min.
- ✓ Specification : Generally as per BS EN 50306 & BS EN 50264 In addition to BS EN 50306 spec, GKW-LW/T EMC for Single & bunched Rolling Stock Cables meet fire performance tests for the following standards
EN 45545 - 2 HL3, BS 6853, DIN 5510-2, NF F 16-101, NFPA -130

2D View



Approvals	Accreditations	Certifications



Part Number	No. of cores x Cross Section (Nos) x (mm ²)	Conductor Construction No of Strands X Strand dia (Nos X mm)	Max conductor resistance at 20°C Ω/km	Nom. Core dia (mm)	Nom. Outer diameter (mm)	Cable Weight (Kg/Km) approx.
5770602	2 X 0.5	19 X 0.18	40.1	1.3	4.3 ± 0.3	34
5770603	3 X 0.5	19 X 0.18	40.1	1.3	4.5 ± 0.3	40
5770604	4 X 0.5	19 X 0.18	40.1	1.3	4.8 ± 0.3	45
5770605	5 X 0.5	19 X 0.18	40.1	1.3	5.4 ± 0.3	57
5770606	6 X 0.5	19 X 0.18	40.1	1.3	5.9 ± 0.3	70
5770607	7 X 0.5	19 X 0.18	40.1	1.3	6.45 ± 0.3	81
5770609	9 X 0.5	19 X 0.18	40.1	1.3	7.2 ± 0.3	97
5770610	10 X 0.5	19 X 0.18	40.1	1.3	7.2 ± 0.3	101
5770612	12 X 0.5	19 X 0.18	40.1	1.3	7.6 ± 0.3	116
5770615	15 X 0.5	19 X 0.18	40.1	1.3	8.5 ± 0.3	135
5770616	16 X 0.5	19 X 0.18	40.1	1.3	8.5 ± 0.3	146
5770618	18 X 0.5	19 X 0.18	40.1	1.3	8.9 ± 0.3	161
5770622	22 X 0.5	19 X 0.18	40.1	1.3	10.0 ± 0.3	187
5770625	25 X 0.5	19 X 0.18	40.1	1.3	10.3 ± 0.4	213
5770630	30 X 0.5	19 X 0.18	40.1	1.3	11.3 ± 0.3	278
5770636	36 X 0.5	19 X 0.18	40.1	1.3	12.1 ± 0.3	308
5770650	50 X 0.5	19 X 0.18	40.1	1.3	14.4 ± 0.3	413
A5770602P	2 X 2 X 0.5	19 X 0.18	41.4	1.3	6.4 ± 0.3	65
A5770603P	3 X 2 X 0.5	19 X 0.18	41.4	1.3	6.9 ± 0.3	82
A5770604P	4 X 2 X 0.5	19 X 0.18	41.4	1.3	8.0 ± 0.3	101
A5770605P	5 X 2 X 0.5	19 X 0.18	41.4	1.3	9.3 ± 0.3	136
A5770606P	6 X 2 X 0.5	19 X 0.18	41.4	1.3	10.0 ± 0.3	150
A5770610P	10 X 2 X 0.5	19 X 0.18	41.4	1.3	12.5 ± 0.4	202
A5770615P	15 X 2 X 0.5	19 X 0.18	41.4	1.3	13.0 ± 0.4	317
A5770620P	20 X 2 X 0.5	19 X 0.18	41.4	1.3	16.0 ± 0.3	426
5770802	2 X 0.75	19 X 0.23	26.7	1.52	4.8 ± 0.3	42
5770803	3 X 0.75	19 X 0.23	26.7	1.52	5.0 ± 0.3	53
5770804	4 X 0.75	19 X 0.23	26.7	1.52	5.5 ± 0.3	63
5770806	6 X 0.75	19 X 0.23	26.7	1.52	6.6 ± 0.3	85
5770808	8 X 0.75	19 X 0.23	26.7	1.52	7.8 ± 0.3	124



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Siechem GKW-LW/T EMC Multi Core, Screened, 600/1000V AC, 900/1500V DC, EBXL 125°C Rolling Stock Cable

Part Number	No. of Cores x Cross Section (mm ²)	Conductor Construction No of Strands X Strand dia Nos X mm	Max conductor resistance at 20°C Ω/km	Nom. Core dia (mm)	Nom. Outer diameter (mm)	Cable Weight (Kg/Km) approx.
5770816	16 X 0.75	19 X 0.23	26.7	1.52	9.7 ± 0.3	206
5770824	24 X 0.75	19 X 0.23	26.7	1.52	12.2 ± 0.3	282
A5770802P	2 X 2 X 0.75	19 X 0.23	26.7	1.52	7.8 ± 0.3	93
A5770803P	3 X 2 X 0.75	19 X 0.23	26.7	1.52	8.3 ± 0.3	108
A5770808P	8 X 2 X 0.75	19 X 0.23	26.7	1.52	13.4 ± 0.3	260
A5770805Q	5 X 4 X 0.75	19 X 0.23	26.7	1.52	14.5 ± 0.3	300
5771002	2 X 1	19 X 0.26	20.0	1.67	5.0 ± 0.3	50
5771003	3 X 1	19 X 0.26	20.0	1.67	5.5 ± 0.3	63
5771004	4 X 1	19 X 0.26	20.0	1.67	5.8 ± 0.3	79
5771005	5 X 1	19 X 0.26	20.0	1.67	6.7 ± 0.3	90
5771006	6 X 1	19 X 0.26	20.0	1.67	7.3 ± 0.3	111
5771010	10 X 1	19 X 0.26	20.0	1.67	9.0 ± 0.3	171
5771012	12 X 1	19 X 0.26	20.0	1.67	9.2 ± 0.3	194
5771018	18 X 1	19 X 0.26	20.0	1.67	11.4 ± 0.3	288
5771030	30 X 1	19 X 0.26	20.0	1.67	14.0 ± 0.3	452
5771050	50 X 1	19 X 0.26	20.0	1.67	18.0 ± 0.3	711
A5771002P	2 X 2 X 1	19 X 0.26	20.0	1.67	9.0 ± 0.3	110
A5771003P	3 X 2 X 1	19 X 0.26	20.0	1.67	9.5 ± 0.3	145
A5771004P	4 X 2 X 1	19 X 0.26	20.0	1.67	10.5 ± 0.3	167
A5771003Q	3 X 4 X 1	19 X 0.26	20.0	1.67	13.0 ± 0.3	245
5771302	2 X 1.5	37 X 0.23	13.7	2.04	5.8 ± 0.3	74
5771303	3 X 1.5	37 X 0.23	13.7	2.04	6.2 ± 0.3	86
5771303G	3G X 1.5	37 X 0.23	13.7	2.04	6.2 ± 0.3	86
5771304	4 X 1.5	37 X 0.23	13.7	2.04	6.7 ± 0.3	106
5771305	5 X 1.5	37 X 0.23	13.7	2.04	7.7 ± 0.3	130
5771307	7 X 1.5	37 X 0.23	13.7	2.04	9.0 ± 0.3	166
5771310	10 X 1.5	37 X 0.23	13.7	2.04	11.2 ± 0.3	235
5771318	18 X 1.5	37 X 0.23	13.7	2.04	14.0 ± 0.3	400
A5771302P	2 X 2 X 1.5	37 X 0.23	13.7	2.04	11.0 ± 0.3	151
A5771303P	3 X 2 X 1.5	37 X 0.23	13.7	2.04	11.5 ± 0.3	190
C5771602	2 X 2.5	19 X 0.40	8.21	2.54	7.0 ± 0.3	106
C5771603	3 X 2.5	19 X 0.40	8.21	2.54	7.6 ± 0.3	130
C5771604	4 X 2.5	19 X 0.40	8.21	2.54	8.4 ± 0.3	170
C5771606	6 X 2.5	19 X 0.40	8.21	2.54	10.5 ± 0.3	216
C5771610	10 X 2.5	19 X 0.40	8.21	2.54	13.4 ± 0.3	355
C5771618	18 X 2.5	19 X 0.40	8.21	2.54	16.8 ± 0.3	595
C5771627	27 X 2.5	19 X 0.40	8.21	2.54	20.7 ± 0.3	836
C5771648	48 X 2.5	19 X 0.40	8.21	2.54	25.7 ± 0.3	1498
5771602	2 X 2.5	37 X 0.29	8.21	2.54	7.0 ± 0.3	106
5771606	6 X 2.5	37 X 0.29	8.21	2.54	10.5 ± 0.3	216
5771610	10 X 2.5	37 X 0.29	8.21	2.54	13.4 ± 0.3	355
5771618	18 X 2.5	37 X 0.29	8.21	2.54	16.8 ± 0.3	595
5771627	27 X 2.5	37 X 0.29	8.21	2.54	20.7 ± 0.3	836
5771648	48 X 2.5	37 X 0.29	8.21	2.54	25.7 ± 0.3	1498

✓ ** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.

GKW LW/T EMC	
G	Electron Beam Cross Linked Insulation
K	Cold Resistant
W	Heat Resistant
LW	Less Weight
T	Separator Tape
EMC	Screening



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