



## Siechem 3 GKW/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 vehicle.
- ✓ 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
- ✓ 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
- ✓ High melting points for insulation
- ✓ Electron Beam Cross Linked.
- ✓ Resistance to corona effect.

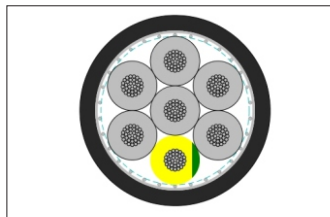
### Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, Class 5. (Unilay\*)
- ✓ Insulation : EBXL - LSZH. Grey Colour. (X)
- ✓ Screen : Tinned Copper Braid-S
- ✓ Separator Tape
- ✓ Outersheath : EBXL - LSZH.(EM104) 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 : 3.5 kV AC for 5 min.
- ✓ Specification : Generally as per BS EN 50264 & BS EN 50306 In addition to BS EN 50264 spec, cables also meet fire performance tests as per EN 45545 - 2 HL3 BS 6853 DIN 5510-2 NF F 16-101.

### 2D View



Part Number	No. of cores x Cross Section (Nos) x (mm <sup>2</sup> )	Conductor Construction No of Strands X Strand dia (Nos X mm)	Conductor Diameter (mm)	Max Conductor Resistance at 20°C (Ω/km)	Nom.Core Dia (mm)	Nom. Outer Diameter (mm)	Cable Weight (kg/km) approx.
5800602	2 X 0.5	16 X 0.20	0.90	40.1	2.00	6.6 ± 0.3	69
5800603	3 X 0.5	16 X 0.20	0.90	40.1	2.00	6.9 ± 0.3	78
5800604	4 X 0.5	16 X 0.20	0.90	40.1	2.00	7.5 ± 0.3	95
5800607	7 X 0.5	16 X 0.20	0.90	40.1	2.00	9.8 ± 0.3	141
A5800602P	2 X 2 X 0.5	16 X 0.20	0.90	40.1	2.00	10.6 ± 0.4	151
5800802	2 X 0.75	24 X 0.20	1.12	26.7	2.20	7.0 ± 0.3	82
5800803	3 X 0.75	24 X 0.20	1.12	26.7	2.20	7.5 ± 0.3	95
5800804	4 X 0.75	24 X 0.20	1.12	26.7	2.20	8.1 ± 0.3	111
5800809	9 X 0.75	24 X 0.20	1.12	26.7	2.20	12.3 ± 0.4	235
5800816	16 X 0.75	24 X 0.20	1.12	26.7	2.20	14.4 ± 0.4	351
A5800805P	5 X 2 X 0.75	24 X 0.20	1.12	26.7	2.20	16.0 ± 0.5	351
5801002	2 X 1	32 X 0.20	1.30	20.0	2.45	7.6 ± 0.3	99
5801003	3 X 1	32 X 0.20	1.30	20.0	2.45	8.1 ± 0.3	111
5801004	4 X 1	32 X 0.20	1.30	20.0	2.45	8.8 ± 0.3	141
5801007	7 X 1	32 X 0.20	1.30	20.0	2.45	11.8 ± 0.4	215
5801302	2 X 1.5	30 X 0.25	1.60	13.7	2.70	8.2 ± 0.3	111
5801303	3 X 1.5	30 X 0.25	1.60	13.7	2.70	8.6 ± 0.3	141
5801304	4 X 1.5	30 X 0.25	1.60	13.7	2.70	9.6 ± 0.3	171
5801305	5 X 1.5	30 X 0.25	1.60	13.7	2.70	10.9 ± 0.4	211
A5801302P	2 X 2 X 1.5	30 X 0.25	1.60	13.7	2.70	12.7 ± 0.4	221



www.siechem.com



## Siechem 3 GKW/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 vehicle.
- ✓ 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
- ✓ 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
- ✓ High melting points for insulation
- ✓ Electron Beam Cross Linked.
- ✓ Resistance to corona effect.

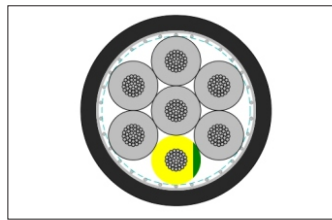
### Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, Class 5. (Unilay\*)
- ✓ Insulation : EBXL - LSZH Grey Colour. (X)
- ✓ Screen : Tinned Copper Braid-S
- ✓ Separator Tape
- ✓ Outersheath : EBXL - LSZH (EM104) 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 : 3.5 kV AC for 5 min.
- ✓ Specification : Generally as per BS EN 50264 & BS EN 50306 In addition to BS EN 50264 spec, cables also meet fire performance tests as per EN 45545 - 2 HL3 BS 6853 DIN 5510-2 NF F 16-101.

### 2D View



		ISO 9001	ISO 14001	AS 9100	ISO 45001
		ALSTOM			CE



Part Number	No. of cores x Cross Section (Nos) x (mm <sup>2</sup> )	Conductor Construction No of Strands X Strand dia (Nos X mm)	Conductor Diameter (mm)	Max Conductor Resistance at 20°C (Ω/km)	Nom.Core Dia (mm)	Nom.Outer Diameter (mm)	Cable Weight (kg/km) approx.
5801602	2 X 2.5	50 X 0.25	2.10	8.21	3.30	9.6 ± 0.3	161
5801603G	3G X 2.5	50 X 0.25	2.10	8.21	3.30	10.4 ± 0.4	201
5801604	4 X 2.5	50 X 0.25	2.10	8.21	3.30	11.3 ± 0.4	241
5801607	7 X 2.5	50 X 0.25	2.10	8.21	3.30	15.7 ± 0.5	415
5801903	3 X 4	56 X 0.30	2.60	5.09	3.95	11.8 ± 0.4	271
5801904	4 X 4	56 X 0.30	2.60	5.09	3.95	13.4 ± 0.3	361
5802302	2 X 6	84 X 0.30	3.30	3.39	4.70	12.9 ± 0.4	311
5802303	3 X 6	84 X 0.30	3.30	3.39	4.70	13.8 ± 0.4	391
5802304	4 X 6	84 X 0.30	3.30	3.39	4.70	15.6 ± 0.4	491
5802703	3 X 10	80 X 0.40	4.20	1.95	5.85	17.2 ± 0.5	600
5802704	4 X 10	80 X 0.40	4.20	1.95	5.85	19.2 ± 0.5	765
5802803	3 X 16	126 X 0.40	5.50	1.24	7.30	20.6 ± 0.5	861
5802804	4 X 16	126 X 0.40	5.50	1.24	7.25	23.2 ± 0.5	1091
5803002	2 X 25	189 X 0.40	6.80	0.795	8.90	22.9 ± 0.5	1001
5803003	3 X 25	189 X 0.40	6.80	0.795	8.90	24.8 ± 0.5	1261
5803004	4 X 25	189 X 0.40	6.80	0.795	8.90	28.3 ± 0.6	1640
5803204	4 X 35	259 X 0.40	7.80	0.565	10.2	31.6 ± 0.6	2201
5803402	2 X 50	378 X 0.40	9.50	0.393	11.9	29.8 ± 0.6	1750



www.siechem.com