



## Siechem 4 GKW/T EMC Single Core, Screened, 1800/3000V AC, 2700/4500V 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.

### Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, Class 5. (Unilay\*)
- ✓ Insulation : EBXL - LSZH(EI 110) Code M White.
- ✓ Inner sheath : EBXL - LSZH (EI 109) Black Colour.
- ✓ Screen : Tinned Copper Braid-S
- ✓ Separator Tape
- ✓ Outer sheath : EBXL - LSZH (EM104) Code M Black colour or as per customer order.

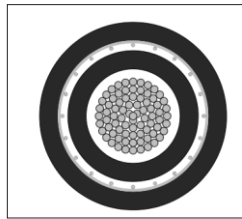
### Technical Data

- ✓ Temperature Range : -50°C to +120°C.
- ✓ Rated Voltage : 1800/3000V AC 2700/4500V DC
- ✓ Test Voltage : 6.5kV 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 HI3, BS 6853, DIN 5510-2 NF F 16-101, NFPF -130

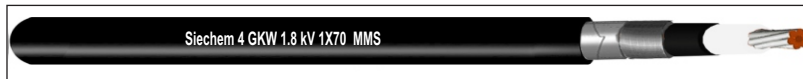
### Features

- ✓ 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.

### 2D View



### Approvals Accreditations Certifications



Part Number	Cross Section (mm <sup>2</sup> )	Conductor Construction No of Strands X Strand dia (Nos X mm)	Conductor Diameter (mm)	Screen Dia. Max (mm)	Screen Cross Section (mm <sup>2</sup> )	Max Conductor Resistance at 20°C (Ω/km)	Max. Screen Resistance at 20°C (Ω/km)	Nom.Core Dia (mm)	Outer Diameter (mm) (Nom)	Cable Weight (kg/km) approx.
58213XXYY*	1.5	30 X 0.25	1.6	3.7	0.9	13.7	21.33	3.55	5.4 ± 0.15	51
58216XXYY	2.5	50 X 0.25	2.1	4.8	1.0	8.21	18.66	3.75	6.1 ± 0.15	98
58219XXYY	4	56 X 0.30	2.6	5.1	1.3	5.09	14.14	4.50	6.8 ± 0.15	94
58223XXYY	6	84 X 0.30	3.3	5.7	1.5	3.39	12.43	5.20	7.7 ± 0.15	120
58227XXYY	10	80 X 0.40	4.2	7.1	2.0	1.95	9.48	6.40	9.2 ± 0.20	190
58228XXYY	16	126 X 0.40	5.5	9.3	3.5	1.24	5.70	8.40	11.3 ± 0.20	280
58230XXYY	25	189 X 0.40	6.8	11.2	4.2	0.795	4.62	10.20	13.7 ± 0.25	410
58232XXYY	35	259 X 0.40	7.8	12.7	4.9	0.565	3.98	11.70	15.1 ± 0.25	540
58234XXYY	50	378 X 0.40	9.5	14.7	5.6	0.393	3.50	13.50	17.0 ± 0.30	710
58237XXYY	70	348 X 0.50	11.5	16.9	8.0	0.277	2.67	15.80	19.5 ± 0.30	970
58238XXYY	95	456 X 0.50	12.9	18.6	9.2	0.210	2.34	17.50	21.2 ± 0.30	1190
58241XXYY	120	570 X 0.50	14.8	21.0	10.2	0.164	2.10	19.80	23.6 ± 0.30	1520
58242XXYY	150	741 X 0.50	16.3	23.6	15.7	0.132	1.33	22.10	26.2 ± 0.30	1880
58244XXYY	185	888 X 0.50	18.0	25.5	15.7	0.108	1.37	24.00	28.2 ± 0.30	2200
58246XXYY	240	1184 X 0.50	20.5	28.9	20.7	0.0817	0.93	27.00	31.4 ± 0.30	2790
58248XXYY	300	1480 X 0.50	23.0	31.8	22.1	0.0654	0.95	29.90	34.6 ± 0.40	3450
58249XXYY	400	1952 X 0.50	25.6	35.9	35.7	0.0495	0.59	34.10	39.0 ± 0.50	4800

XX\* & YY\* : Please add last two digits in the part number as per the colour code given hereunder replacing XX & YY while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

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

4 GKW/T EMC	
4	Rated Voltage (1800/3000V AC)
G	Electron Beam Cross Linked Insulation
K	Cold Resistant
W	Heat Resistant
T	Separator Tape
EMC	Screening



www.siechem.com