



Siechem 4 GKW/T EMC Multi 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.

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.

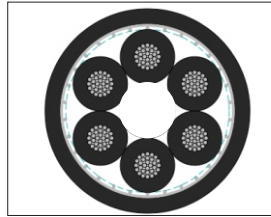
Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, Class 5. (Unilay*)
- ✓ Insulation : EBXL- LSZH - Black Numbered
- ✓ Filler : Optional
- ✓ Separator : Optional
- ✓ Screening : Tinned Copper Braid-S
- ✓ Separator : Polyester Tape (Optional)
- ✓ Outersheath : EBXL - LSZH (EM 104) Black colour or as per customer order.

Technical Data

- ✓ Temperature Range : -50°C to +120°C.
- ✓ Rated Voltage : 18000/3000V 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 454454 - 2 HL3
BS 6853
DIN 5510-2
NF F 16-101.

2D View



Part Number	No. of Cores x Cross Section (Nos) x (mm ²)	Conductor Construction No of Strands X Strand dia (Nos) X (mm)	Conductor Diameter (mm)	Screen Dia. Max (mm)	Screen Cross Section (mm ²)	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 Approx. (Kg/Km)
5831302	2 X 1.5	30 X 0.25	1.6	7.0	2.0	13.7	9.2	3.35	9.6 ± 0.3	140
5831303	3 X 1.5	30 X 0.25	1.6	7.6	2.8	13.7	7.0	3.35	10.5 ± 0.3	180
5831306	6 X 1.5	30 X 0.25	1.6	10.9	5.9	13.7	3.3	3.35	14.6 ± 0.4	310
5831602	2 X 2.5	50 X 0.25	2.1	8.3	3.8	8.21	5.4	3.75	10.8 ± 0.4	200
5831603	3 X 2.5	50 X 0.25	2.1	9.1	3.3	8.21	5.9	3.75	11.6 ± 0.4	230
5831604	4 X 2.5	50 X 0.25	2.1	10.3	5.6	8.21	3.8	3.75	13.0 ± 0.4	300
5831904	4 X 4	56 X 0.30	2.6	12.2	6.2	5.09	3.5	4.50	15.4 ± 0.5	410
5832303	3 X 6	84 X 0.30	3.3	12.2	7.1	3.39	3.0	5.20	15.4 ± 0.5	450
5832304	4 X 6	84 X 0.30	3.3	13.9	5.2	3.39	3.0	5.20	17.3 ± 0.5	535
5832703	3 X 10	80 X 0.40	4.2	15.0	8.6	1.95	2.2	6.40	18.3 ± 0.5	660
5832803	3 X 16	126 X 0.40	5.5	19.2	12.0	1.24	1.6	8.40	23.4 ± 0.5	1030
5832804	4 X 16	126 X 0.40	5.5	22.1	18.0	1.24	1.3	8.40	26.6 ± 0.6	1330
5833003	3 X 25	189 X 0.40	6.8	23.7	19.1	0.795	1.10	10.20	28.4 ± 0.6	1530
5833004	4 X 25	189 X 0.40	6.8	27.9	21.4	0.795	0.89	10.20	33.0 ± 0.6	1970
5833202	2 X 35	259 X 0.40	7.8	24.9	19.4	0.565	1.06	11.70	29.8 ± 0.6	1600
5833203	3 X 35	259 X 0.40	7.8	26.7	21.5	0.565	0.89	11.70	31.7 ± 0.7	2000
5833203H	3 X 35 1 X 10	259 X 0.40 80 X 0.40	7.8 4.2	27.0	21.9	0.565 1.95	0.87	11.70 6.40	32.8 ± 0.6	2140
5833204	4 X 35	259 X 0.40	7.8	30.9	35.2	0.565	0.66	11.70	37.1 ± 0.7	2730
5833402	2 X 50	378 X 0.40	9.5	28.9	30.6	0.393	0.7	13.50	34.3 ± 0.6	2170
5833403H	3 X 50 1 X 10	378 X 0.40 80 X 0.40	9.5 4.2	31.0	33.2	0.393 1.95	0.6	13.50 6.40	37.0 ± 0.7	2750
5833404	4 X 50	378 X 0.40	9.5	35.1	40.8	0.393	0.6	13.50	41.7 ± 0.7	3600
5833703H	3 X 70 1 X 10	348 X 0.50 80 X 0.40	11.5 4.2	35.9	38.3	0.277 1.95	0.6	15.80 6.40	41.9 ± 0.7	3650
5833703	4 X 70	348 X 0.50	11.5	41.4	40.8	0.277	0.6	15.80	47.9 ± 0.7	4700
5833803H	3 X 95 1 X 10	456 X 0.50 80 X 0.40	12.9 4.2	39.6	40.8	0.210 1.95	0.7	17.5 6.40	46.7 ± 0.7	4450

4 GKW/T EMC

4	Rated Voltage (18000/3000V AC)
G	Electron Beam Cross Linked Insulation
K	Cold Resistant
W	Heat Resistant
T	Separator Tape
EMC	Screening



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