



Siechem 3 GKW/T Multi Core 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.

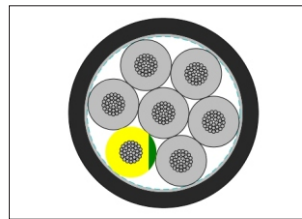
Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, Class 5. (Unilay*)
- ✓ Insulation : EBXL - LSZH, Gray with Numbered Green/Yellow (X)
- ✓ Separator : Polyester Tape (Optional)
- ✓ 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 : 2 kV AC for 5 min.
- ✓ Specification : Generally as per BS EN 50306 & BS EN 50264 In addition to BS EN 50306 spec, cables also meet fire performance tests as per EN 45545 - 2 HL3 BS 6853 DIN 5510-2 NF F 16-101.

2D View



Siechem 3 GKW/T 600V 7X1.5 XM

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)	Max Conductor Resistance at 20°C Ω/km	Nom. Core Dia (mm)	Nom. Outer Diameter (mm)	Cable Weight (kg/km) approx.
5790602	2 X 0.5	16 X 0.20	0.90	40.1	2.0	5.9 ± 0.3	47
5790603	3 X 0.5	16 X 0.20	0.90	40.1	2.0	6.25 ± 0.3	54
5790605	5 X 0.5	16 X 0.20	0.90	40.1	2.0	7.7 ± 0.3	85
5790606	6 X 0.5	16 X 0.20	0.90	40.1	2.0	8.4 ± 0.3	100
5790609	9 X 0.5	16 X 0.20	0.90	40.1	2.0	10.5 ± 0.4	150
5790612	12 X 0.5	16 X 0.20	0.90	40.1	2.0	10.8 ± 0.4	170
5790615	15 X 0.5	16 X 0.20	0.90	40.1	2.0	12.3 ± 0.4	210
5790618	18 X 0.5	16 X 0.20	0.90	40.1	2.0	12.9 ± 0.4	240
5790802	2 X 0.75	24 X 0.20	1.12	26.7	2.2	6.4 ± 0.3	60
5790803	3 X 0.75	24 X 0.20	1.12	26.7	2.2	6.8 ± 0.3	71
5790804	4 X 0.75	24 X 0.20	1.12	26.7	2.2	7.6 ± 0.3	89
5790805G	5G X 0.75	24 X 0.20	1.12	26.7	2.2	8.4 ± 0.3	111
5790807G	7G X 0.75	24 X 0.20	1.12	26.7	2.2	10.0 ± 0.3	151
5791002	2 X 1.0	32 X 0.20	1.30	20.0	2.45	6.9 ± 0.3	73
5791004	4 X 1.0	32 X 0.20	1.30	20.0	2.45	8.4 ± 0.3	111
5791006	6 X 1.0	32 X 0.20	1.30	20.0	2.45	10.0 ± 0.3	161
5791009	9 X 1.0	32 X 0.20	1.30	20.0	2.45	12.5 ± 0.4	221
5791302	2 X 1.5	30 X 0.25	1.60	13.7	2.70	7.5 ± 0.3	87
5791303	3 X 1.5	30 X 0.25	1.60	13.7	2.70	8.0 ± 0.3	111
57913003G	3G X 1.5	30 X 0.25	1.60	13.7	2.70	8.0 ± 0.3	111
5791304	4 X 1.5	30 X 0.25	1.60	13.7	2.70	9.0 ± 0.3	141
5761304G	4G X 1.5	30 X 0.25	1.60	13.7	2.70	9.0 ± 0.3	141
5791305	5 X 1.5	30 X 0.25	1.60	13.7	2.70	10.2 ± 0.4	171
5791307	7 X 1.5	30 X 0.25	1.60	13.7	2.70	12.1 ± 0.4	241
5791307G	7G X 1.5	30 X 0.25	1.60	13.7	2.70	12.1 ± 0.4	241
5791325	25 X 1.5	30 X 0.25	1.60	13.7	2.70	20.4 ± 0.5	700
5791602	2 X 2.5	50 X 0.25	2.10	8.21	3.30	8.8 ± 0.3	121
5791603	3 X 2.5	50 X 0.25	2.10	8.21	3.30	9.5 ± 0.3	161

3 GKW/T

3	Rated Voltage (600/1000V AC)
G	Electron Beam Cross Linked Insulation
K	Cold Resistant
W	Heat Resistant
T	Separator Tape



www.siechem.com



Siechem 3 GKW/T Multi Core 600/1000V AC, 900/1500V DC, EBXL 120°C Rolling Stock Cable

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)	Max Conductor Resistance at 20°C (Ω/km)	Nom.Core Dia (mm)	Nom.Outer Diameter (mm)	Cable Weight (kg/km) approx.
5791604	4 X 2.5	50 X 0.25	2.10	8.21	3.30	10.7 ± 0.4	201
5791607	7 X 2.5	50 X 0.25	2.10	8.21	3.30	14.0 ± 0.4	345
5791607G	7G X 2.5	50 X 0.25	2.10	8.21	3.30	14.0 ± 0.4	345
5791609	9 X 2.5	50 X 0.25	2.10	8.21	3.30	16.4 ± 0.5	430
5791610	10 X 2.5	50 X 0.25	2.10	8.21	3.30	16.5 ± 0.5	470
5791612	12 X 2.5	50 X 0.25	2.10	8.21	3.30	17.2 ± 0.5	530
5791624	24 X 2.5	50 X 0.25	2.10	8.21	3.30	24.0 ± 0.5	980
5791630	30 X 2.5	50 X 0.25	2.10	8.21	3.30	25.9 ± 0.6	1220
5791902	2 X 4	56 X 0.30	2.60	5.09	3.95	10.4 ± 0.4	181
5791903	3 X 4	56 X 0.30	2.60	5.09	3.95	11.1 ± 0.4	221
5791904	4 X 4	56 X 0.30	2.60	5.09	3.95	12.4 ± 0.4	291
5791904G	4G X 4	56 X 0.30	2.60	5.09	3.95	12.4 ± 0.4	291
5791905	5 X 4	56 X 0.30	2.60	5.09	3.95	14.0 ± 0.4	335
5792302	2 X 6	84 X 0.30	3.30	3.39	4.70	12.1 ± 0.4	261
5792303	3 X 6	84 X 0.30	3.30	3.39	4.70	12.9 ± 0.4	321
5792304	4 X 6	84 X 0.30	3.30	3.39	4.70	14.6 ± 0.4	421
5792305	5 X 6	84 X 0.30	3.30	3.39	4.70	16.8 ± 0.5	480
5792307	7 X 6	84 X 0.30	3.30	3.39	4.70	20.3 ± 0.5	670
5792703	3 X 10	80 X 0.40	4.20	1.95	5.85	16.0 ± 0.5	511
5792704	4 X 10	80 X 0.40	4.20	1.95	5.8	17.9 ± 0.5	661
5792704G	4G X 10	80 X 0.40	4.20	1.95	7.25	17.9 ± 0.5	661
5792802	2 X 16	126 X 0.40	5.50	1.24	7.25	18.0 ± 0.5	575
5792803	3 X 16	126 X 0.40	5.50	1.24	7.25	19.5 ± 0.5	751
5792804	4 X 16	126 X 0.40	5.50	1.24	7.25	22.1 ± 0.5	1011
5792805	5 X 16	126 X 0.40	5.50	1.24	7.25	24.3 ± 0.5	1160
5793003	3 X 25	189 X 0.40	6.80	0.795	8.90	23.8 ± 0.5	1120
5793005G	5G X 25	189 X 0.40	6.80	0.795	8.90	29.8 ± 0.6	1705
5793202	2 X 35	259 X 0.40	7.80	0.565	10.2	24.7 ± 0.5	1151
5793204	4 X 35	259 X 0.40	7.80	0.565	10.2	30.3 ± 0.5	1921
5793204G	4G X 35	259 X 0.40	7.80	0.565	10.2	30.3 ± 0.5	1921
5793404G	4G X 50	378 X 0.40	9.50	0.393	11.9	34.9 ± 0.6	2510

3 GKW/T	
3	Rated Voltage (600/1000V AC)
G	Electron Beam Cross Linked Insulation
K	Cold Resistant
W	Heat Resistant
T	Separator Tape



www.siechem.com