



Siechem 4 GKW Single Core, Sheathed, 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.

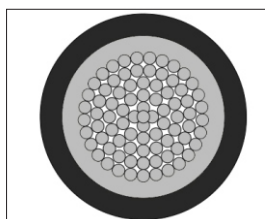
Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, Class 5. (Unilay*)
- ✓ Insulation : EBXL - LSZH. (EI 110) Grey or as per customer order
- ✓ Outersheath : EBXL - LSZH. (EI109) 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 : 6.5 kV AC for 5 min.
- ✓ Specification : Generally to 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



Siechem 4GKW 1.8kV 1X185 MM



Part Number	Cross Section (mm ²)	Conductor Construction No of Strands X Strand dia (Nos X mm)	Conductor Diameter (mm)	Max Conductor Resistance at 20°C (Ω/km)	Insulation Thickness (mm)	Min. Sheath Thickness (mm)	Outer Diameter (mm) (Nom)	Cable Weight (kg/km) approx.
58106XXYY*	0.5	16 X 0.21	0.90	38.5	0.30	0.40	2.45 ± 0.10	11
58108XXYY	0.75	24 X 0.21	1.10	26.7	0.30	0.40	2.65 ± 0.10	14
58110XXYY	1.0	32 X 0.20	1.3	20.0	0.30	0.40	3.00 ± 0.10	18
58113XXYY	1.5	30 X 0.25	1.6	13.7	0.30	0.40	3.55 ± 0.10	25
58116XXYY	2.5	50 X 0.25	2.1	8.21	0.30	0.40	3.75 ± 0.10	35
58119XXYY	4	56 X 0.30	2.6	5.09	0.35	0.45	4.50 ± 0.10	52
58123XXYY	6	84 X 0.30	3.3	3.39	0.35	0.45	5.20 ± 0.15	74
58127XXYY	10	80 X 0.40	4.2	1.95	0.40	0.50	6.40 ± 0.15	120
58128XXYY	16	126 X 0.40	5.5	1.24	0.50	0.70	8.40 ± 0.20	190
58130XXYY	25	189 X 0.40	6.8	0.795	0.60	0.80	10.2 ± 0.30	280
58132XXYY	35	259 X 0.40	7.8	0.565	0.65	0.85	11.7 ± 0.30	400
58134XXYY	50	378 X 0.40	9.5	0.393	0.70	0.90	13.5 ± 0.30	540
58137XXYY	70	348 X 0.50	11.5	0.277	0.75	0.95	15.8 ± 0.30	750
58138XXYY	95	456 X 0.50	12.9	0.210	0.85	1.05	17.5 ± 0.30	950
58141XXYY	120	570 X 0.50	14.8	0.164	0.95	1.15	19.8 ± 0.30	1200
58142XXYY	150	741 X 0.50	16.3	0.132	1.00	1.20	22.1 ± 0.30	1500
58144XXYY	185	874 X 0.50	18.0	0.108	1.05	1.25	23.4 ± 0.40	1820
58146XXYY	240	1147 X 0.50	20.5	0.0817	1.10	1.30	25.8 ± 0.40	2350
58148XXYY	300	1443 X 0.50	23.0	0.0654	1.15	1.35	28.5 ± 0.50	2910
58149XXYY	400	1952 X 0.50	26.1	0.0495	1.20	1.40	31.1 ± 0.50	3920

Note : XX* : Please add last two digits in the part number as per the colour code given hereunder replacing XX 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	Green-Yellow - 29

4 GKW

4	Rated Voltage (1800/3000V AC)
G	Electron Beam Cross Linked Insulation
K	Cold Resistant
W	Heat Resistant



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