



Siechem 9 GKW Single Core, Sheathed, 3600/6000V AC, 5400/9000V 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.

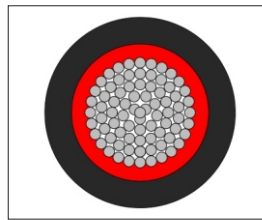
Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, Class 5 EN 60228
- ✓ Insulation : EBXL - LSZH, (EI 110) Red
- ✓ Outersheath : EBXL - LSZH, (EI 109) (Code M) Black colour or as per customer order.

Technical Data

- ✓ Temperature Range : -50°C to +120°C.
- ✓ Rated Voltage : 3600/6000V AC 5400/9000V DC
- ✓ Test Voltage : 11kV AC for 5 min.
- ✓ Specification : Generally as per 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	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)	Min. Insulation Thickness (mm)	Min. Sheath Thickness (mm)	Outer diameter (mm)(Nom)	Cable Weight (Kg/Km) approx.
58413XXYY *	1.5	30 X 0.25	1.5	13.7	0.55	0.60	4.5 ± 0.10	37
58416XXYY	2.5	50 X 0.25	2.0	8.21	0.60	0.70	5.1 ± 0.10	50
58419XXYY	4	56 X 0.30	2.5	5.09	0.65	0.70	5.7 ± 0.10	70
58423XXYY	6	84 X 0.30	3.1	3.39	0.70	0.80	6.3 ± 0.10	95
58427XXYY	10	80 X 0.40	3.9	1.95	0.70	0.80	7.5 ± 0.15	142
58428XXYY	16	126 X 0.40	5.0	1.24	0.85	0.95	9.4 ± 0.25	211
58430XXYY	25	189 X 0.40	6.5	0.795	0.85	0.95	11.0 ± 0.30	301
58432XXYY	35	259 X 0.40	7.4	0.565	0.90	1.00	12.6 ± 0.30	418
58434XXYY	50	378 X 0.40	9.0	0.393	1.00	1.15	14.6 ± 0.30	581
58437XXYY	70	348 X 0.50	11.0	0.277	1.05	1.15	16.7 ± 0.30	800
58438XXYY	95	456 X 0.50	12.4	0.210	1.20	1.30	18.7 ± 0.30	1011
58441XXYY	120	570 X 0.50	14.0	0.164	1.30	1.40	21.0 ± 0.30	1280
58442XXYY	150	741 X 0.50	16.0	0.132	1.35	1.45	23.2 ± 0.30	1605
58444XXYY	185	888 X 0.50	17.5	0.108	1.50	1.70	25.0 ± 0.30	1900
58446XXYY	240	1184 X 0.50	20.5	0.0817	1.60	1.80	28.0 ± 0.30	2450
58448XXYY	300	1480 X 0.50	23.0	0.0654	1.80	1.90	30.8 ± 0.30	3025
58449XXYY	400	1952 X 0.50	26.1	0.0495	2.10	2.00	35.3 ± 0.50	4045

Note : 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	

9 GKW	
9	Rated Voltage (3600/6000V AC)
G	Electron Beam Cross Linked Insulation
K	Cold Resistant
W	Heat Resistant



www.siechem.com