



## Siechem BS EN 50306-4 1P Multi Core, 300V AC, 450V DC, EBXL 90°C Rolling Stock Cable

### Application

- ✓ For mechanically protected installation in Rail / Bus and other transport vehicles.
- ✓ Cables are used in Driver desks, Control panels, wiring harness in inside/outside the moving vehicles.

### Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, (Unilay\*)
- ✓ Insulation : Cross Linked Ethylene Copolymer
- ✓ Separator : Polyester Tape
- ✓ Outershooth : EBXL- EM 104  
Black colour or as per customer order.

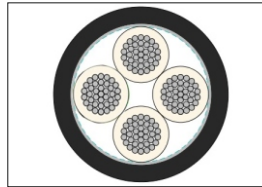
### Technical Data

- ✓ Temperature Range : -40°C to +90°C.
- ✓ Rated Voltage : 300V AC 450V DC
- ✓ Specification : BS EN 50306-4 : 2020, Table 1 Class P
- ✓ Hazard Level Classification as per EN 45545-2, HL3  
Conductor : BS EN 50306-2 : 2020  
In addition to BS EN 50306 spec, cables also meet fire performance tests as per UNI CEI 11170-3, DIN 5510-2, NF F 16-101 NFPA -130, EN 45545

### Features

- ✓ Excellent resistance to high and low temperature
- ✓ Outstanding Flame retardant
- ✓ Halogen free
- ✓ Thin walled with excellent flexibility
- ✓ Resistance to oil, fuel, ozone and weathering.
- ✓ Easy to strip
- ✓ Low smoke density
- ✓ Soldering iron resistant
- ✓ Electron Beam Cross Linked.
- ✓ Resistance to corona effect.

### 2D View



### Approvals Accreditations Certifications



Siechem EN 50306- 4 1P 300V 4 X 0.5 MM 90



Part Number	No. of cores x Cross Section (Nos) x (mm <sup>2</sup> )	Conductor Construction No. of Strands x Strand dia. (Nos x mm)	Max. Conductor Resistance at 20°C (Ω/km)	Max. Core Diameter (mm)	Min. Sheath Thickness (mm)	Outer Diameter (mm)		Cable Weight (Kg/Km) approx.
						(Min)	(Max)	
R5530602	2 X 0.5	19 X 0.18	40.1	1.45	0.42	3.5	4.5	28
R5530603	3 X 0.5	19 X 0.18	40.1	1.45	0.42	3.8	4.8	38
R5530604	4 X 0.5	19 X 0.18	40.1	1.45	0.42	4.1	5.3	42
R5530607	7 X 0.5	19 X 0.18	40.1	1.45	0.42	4.9	6.1	60
R5530613	13 X 0.5	19 X 0.18	40.1	1.45	0.56	7.3	8.5	106
R5530619	19 X 0.5	19 X 0.18	40.1	1.45	0.56	8.1	9.3	150
R5530637	37 X 0.5	19 X 0.18	40.1	1.45	0.56	10.8	12.2	261
R5530802	2 X 0.75	37 X 0.16	26.7	1.65	0.42	4.0	5.0	37
R5530803	3 X 0.75	37 X 0.16	26.7	1.65	0.42	4.2	5.2	44
R5530804	4 X 0.75	37 X 0.16	26.7	1.65	0.42	4.6	5.8	53
R5530807	7 X 0.75	37 X 0.16	26.7	1.65	0.42	5.5	6.6	78
R5530813	13 X 0.75	37 X 0.16	26.7	1.65	0.56	8.2	9.4	144
R5530819	19 X 0.75	37 X 0.16	26.7	1.65	0.56	9.0	10.4	202
R5530837	37 X 0.75	37 X 0.16	26.7	1.65	0.56	12.2	13.6	373
R5530848	48 X 0.75	37 X 0.16	26.7	1.65	0.56	13.9	15.7	478
R5531002	2 X 1	37 X 0.18	20.0	1.80	0.42	4.3	5.3	42
R5531003	3 X 1	37 X 0.18	20.0	1.80	0.42	4.6	5.6	53
R5531004	4 X 1	37 X 0.18	20.0	1.80	0.42	4.9	6.1	64
R5531007	7 X 1	37 X 0.18	20.0	1.80	0.42	6.0	7.2	97
R5531013	13 X 1	37 X 0.18	20.0	1.80	0.56	8.7	10.1	175
R5531019	19 X 1	37 X 0.18	20.0	1.80	0.56	9.8	11.2	251
R5531037	37 X 1	37 X 0.18	20.0	1.80	0.56	13.3	14.7	467



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						(Min)	(Max)	
R5531302	2 X 1.5	37 X 0.23	13.7	2.30	0.42	5.0	6.0	60
R5531303	3 X 1.5	37 X 0.23	13.7	2.30	0.42	5.3	6.3	77
R5531304	4 X 1.5	37 X 0.23	13.7	2.30	0.42	6.0	7.2	90
R5531307	7 X 1.5	37 X 0.23	13.7	2.30	0.56	7.7	8.9	144
R5531313	13 X 1.5	37 X 0.23	13.7	2.30	0.56	10.7	12.1	258
R5531319	19 X 1.5	37 X 0.23	13.7	2.30	0.56	12.0	13.4	365
R5531337	37 X 1.5	37 X 0.23	13.7	2.30	0.56	16.2	18.0	683
R5531602	2 X 2.5	37 X 0.30	8.21	2.85	0.56	6.7	7.9	94
R5531603	3 X 2.5	37 X 0.30	8.21	2.85	0.56	7.1	8.3	117
R5531604	4 X 2.5	37 X 0.30	8.21	2.85	0.56	7.9	9.1	145

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



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