



## Siechem BS EN 50306-4 7E Multi Pair, Screened, 300V AC, 450V DC, EBXL 90°C Rolling Stock Cable

### Application

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

### 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.

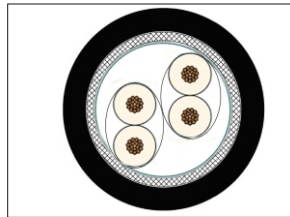
### Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, (Unilay\*)
- ✓ Insulation : Cross Linked Ethylene Copolymer
- ✓ Pair : Cores twisted
- ✓ General Screen : i) Tinned Copper Braid  
ii) Wire dia  $\geq 0.10$  mm  
iii) Filling Factor  $\geq 0.55$
- ✓ Separator Tape
- ✓ Outsheath : EBXL - EM 104  
Black colour or as per customer order.

### Technical Data

- ✓ Temperature Range :  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$ .
- ✓ Rated Voltage : 300V AC 450V DC
- ✓ Specification : BS EN 50306-4 : 2020, Table 7, Class E
- ✓ Hazard Level Classification as per EN 45545-2, HL3  
Screened and Sheathed Pairs : EN50306-3 : 2020  
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  
CEN /TS 45545

### 2D View



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)	Nom. Thickness of Overall Sheath (mm)	Outer Diameter (mm)		Cable Weight (Kg/Km) approx.
					(Min)	(Max)	
RA5380602P	2 X 2 X 0.5	19 X 0.18	40.1	1.0	7.1	8.9	84
RA5380603P	3 X 2 X 0.5	19 X 0.18	40.1	1.0	7.5	9.1	100
RA5380604P	4 X 2 X 0.5	19 X 0.18	40.1	1.0	8.3	9.7	125
RA5380607P	7 X 2 X 0.5	19 X 0.18	40.1	1.0	9.6	11.6	180
RA5380802P	2 X 2 X 0.75	37 X 0.16	26.7	1.0	7.6	10.0	105
RA5380803P	3 X 2 X 0.75	37 X 0.16	26.7	1.0	8.2	10.2	125
RA5380804P	4 X 2 X 0.75	37 X 0.16	26.7	1.0	9.5	10.8	155
RA5380807P	7 X 2 X 0.75	37 X 0.16	26.7	1.0	11.4	12.8	235
RA5381002P	2 X 2 X 1	37 X 0.18	20.0	1.0	8.3	10.5	120
RA5381003P	3 X 2 X 1	37 X 0.18	20.0	1.0	8.8	10.7	145
RA5381004P	4 X 2 X 1	37 X 0.18	20.0	1.0	9.6	11.3	180
RA5381007P	7 X 2 X 1	37 X 0.18	20.0	1.0	11.6	13.4	270
RA5381302P	2 X 2 X 1.5	37 X 0.23	13.7	1.0	10.3	12.2	170
RA5381303P	3 X 2 X 1.5	37 X 0.23	13.7	1.0	11.0	12.4	210
RA5381304P	4 X 2 X 1.5	37 X 0.23	13.7	1.0	12.1	13.1	255
RA5381307P	7 X 2 X 1.5	37 X 0.23	13.7	1.0	14.5	16.3	415
C2050606P	6 X 2 X 0.5	19 X 0.18	40.1	1.0	10.4	11.2	160

\*Note: C205 6P is not a Standard size as per EN 50306-4



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