



## Siechem BS EN 50306-4 5E 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.

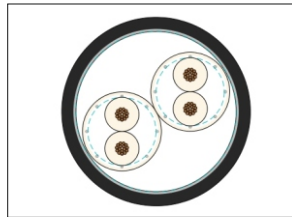
### Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, (Unilay\*)
  - ✓ Insulation : Cross Linked Ethylene Copolymer
  - ✓ Pair : Cores twisted and Screened
  - ✓ Screen : Tinned Copper Braid
  - ✓ Pair Sheath : EBXL - EM 104 (Black)
  - ✓ Separator Tape
  - ✓ Outersheath : 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 5, 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)	Max. Core Diameter (mm)	Min. Sheath Thickness (mm)	Outer Diameter (mm)		Cable Weight (Kg/Km) approx.
						(Min)	(Max)	
R5580602P	2 X 2 X 0.5	19 X 0.18	40.1	1.45	1.0	10.1	11.3	135
R5580603P	3 X 2 X 0.5	19 X 0.18	40.1	1.45	1.0	10.8	12.0	165
R5580604P	4 X 2 X 0.5	19 X 0.18	40.1	1.45	1.0	11.8	13.0	193
R5580607P	7 X 2 X 0.5	19 X 0.18	40.1	1.45	1.0	13.9	15.5	286
R5580802P	2 X 2 X 0.75	37 X 0.16	26.7	1.65	1.0	10.9	12.1	154
R5580803P	3 X 2 X 0.75	37 X 0.16	26.7	1.65	1.0	11.6	13.0	186
R5580804P	4 X 2 X 0.75	37 X 0.16	26.7	1.65	1.0	12.8	14.3	223
R5580807P	7 X 2 X 0.75	37 X 0.16	26.7	1.65	1.0	15.1	16.9	325
R5581002P	2 X 2 X 1	37 X 0.18	20.0	1.80	1.0	11.3	12.5	172
R5581003P	3 X 2 X 1	37 X 0.18	20.0	1.80	1.0	12.0	13.2	211
R5581004P	4 X 2 X 1	37 X 0.18	20.0	1.80	1.0	13.2	14.7	250
R5581007P	7 X 2 X 1	37 X 0.18	20.0	1.80	1.0	15.7	17.3	378
R5581302P	2 X 2 X 1.5	37 X 0.23	13.7	2.30	1.0	13.3	14.5	225
R5581303P	3 X 2 X 1.5	37 X 0.23	13.7	2.30	1.0	14.0	15.6	386
R5581304P	4 X 2 X 1.5	37 X 0.23	13.7	2.30	1.0	15.5	17.1	342
R5581307P	7 X 2 X 1.5	37 X 0.23	13.7	2.30	1.0	18.7	20.5	507



www.siechem.com