

Siechem Multicore Aluminium Stranded Conductor PVC Insulated Extruded or Wrapped Inner Sheathed Unarmoured and PVC Overall Sheathed Cable Conforming to IS : 1554 (Part 1) - 1988.

Application

- ✓ Transmission and distribution of Power Industrial units
- ✓ Commercial and residential places
- ✓ Indoor and outdoor uses
- ✓ Cable ducts, cable trays conduits Direct burial and underground burial where mechanical damage risk for cables.

Features

- ✓ Enhanced mechanical, electrical, thermal and weathering properties.
- ✓ Soldering iron resistant
- ✓ Resistance to corona effect.
- ✓ Easy jointing & termination
- ✓ Better resistance to most chemicals & acids
- ✓ Low direct electric losses.
- ✓ High current carrying capacity.

Product Construction

- ✓ Conductor : Aluminium Stranded Conductor Complying with IS 8130-2013
- ✓ Insulation : PVC Type A Conforming to IS 5831-1984
- ✓ Innersheath : PVC ST1 (Optional - Wrapped with Tape)
- ✓ Jacket : PVC ST1 Conforming to IS 5831-1984 (Optional : FR & FRLS)

Technical Data

- ✓ Operating Temperature : +70°C Optional : 85°C
- ✓ Short Circuit Temperature : 160°C
- ✓ Bending Radius (min) : 12 x Cable dia
- ✓ Rated Voltage : 1100 V
- ✓ Test Voltage : 3 kV for 5 mins.
- ✓ Specification : IS 1554



**ISO
9001**

**ISO
14001**

**ISO/TS
16949**

**OHSAS
18001**



| Part Number | Area | No. of Cores | Thickness of Insulation (Nom.) | Thickness of Innersheath (Nom.) | Unarmoured | | | Current Rating | | Standard Length |
|-------------|-------|--------------|--------------------------------|---------------------------------|-----------------------------------|-------------------------------|-------------------------|----------------|-----------|-----------------|
| | | | | | Minimum thickness of Outer Sheath | Approx. Overall Dia. of Cable | Approx. Weight of Cable | In Air | In Ground | |
| | Sq.mm | Nos | mm | mm | mm | mm | Kg/km | Amps | Amps | Mtrs. |
| 155E1602 | 2.5 | 2 | 0.9 | 0.3 | 1.8 | 13.0 | 200 | 27 | 32 | 1000 |
| 155E1603 | 2.5 | 3 | 0.9 | 0.3 | 1.8 | 13.5 | 235 | 24 | 27 | 1000 |
| 155E1604 | 2.5 | 4 | 0.9 | 0.3 | 1.8 | 14.5 | 285 | 24 | 27 | 1000 |
| 155E1605 | 2.5 | 5 | 0.9 | 0.3 | 1.8 | 15.5 | 335 | 19 | 23 | 1000 |
| 155E1606 | 2.5 | 6 | 0.9 | 0.3 | 1.8 | 16.5 | 390 | 18 | 21 | 1000 |
| 155E1607 | 2.5 | 7 | 0.9 | 0.3 | 1.8 | 16.5 | 425 | 17 | 20 | 1000 |
| 155E1608 | 2.5 | 8 | 0.9 | 0.3 | 1.8 | 18.5 | 485 | 17 | 20 | 1000 |
| 155E1609 | 2.5 | 9 | 0.9 | 0.3 | 1.8 | 19.5 | 540 | 16 | 19 | 1000 |
| 155E1610 | 2.5 | 10 | 0.9 | 0.3 | 1.8 | 20.5 | 585 | 15 | 18 | 1000 |
| 155E1612 | 2.5 | 12 | 0.9 | 0.3 | 2.0 | 21.5 | 680 | 14 | 17 | 1000 |
| 155E1614 | 2.5 | 14 | 0.9 | 0.3 | 2.0 | 22.5 | 770 | 13 | 16 | 1000 |
| 155E1616 | 2.5 | 16 | 0.9 | 0.3 | 2.0 | 23.5 | 860 | 12 | 15 | 1000 |
| 155E1619 | 2.5 | 19 | 0.9 | 0.3 | 2.0 | 25.0 | 990 | 12 | 14 | 1000 |
| 155E1621 | 2.5 | 21 | 0.9 | 0.3 | 2.0 | 26.0 | 1080 | 12 | 14 | 500 |
| 155E1624 | 2.5 | 24 | 0.9 | 0.3 | 2.0 | 29.0 | 1225 | 11 | 13 | 500 |
| 155E1627 | 2.5 | 27 | 0.9 | 0.3 | 2.0 | 29.5 | 1340 | 10 | 12 | 500 |
| 155E1630 | 2.5 | 30 | 0.9 | 0.3 | 2.0 | 30.5 | 1460 | 10 | 12 | 500 |
| 155E1633 | 2.5 | 33 | 0.9 | 0.4 | 2.2 | 32.5 | 1630 | 10 | 12 | 500 |
| 155E1637 | 2.5 | 37 | 0.9 | 0.4 | 2.2 | 33.5 | 1800 | 9 | 11 | 500 |
| 155E1644 | 2.5 | 44 | 0.9 | 0.4 | 2.2 | 37.5 | 2110 | 9 | 10 | 500 |
| 155E1652 | 2.5 | 52 | 0.9 | 0.4 | 2.2 | 39.0 | 2430 | 8 | 10 | 500 |
| 155E1661 | 2.5 | 61 | 0.9 | 0.4 | 2.4 | 42.0 | 2830 | 8 | 9 | 500 |



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