

Various applications

PVC sheath and colored cores

ÖLFLEX® 100 I



ÖLFLEX® 100 I SY



Info

- Cable in acc. to IS 694

Application range

- Plant engineering and construction industrial machinery
- Power circuit for air conditioning installation
- Main power circuit from metering room to individual apartments
- Dry or damp interiors under medium mechanical load conditions
- Fixed installation

Design - 100 I

- Bare copper, multi-stranded class 5, in acc. to IS 8130-1984, IEC 60228
- PVC Type A compound as per IS 5831-1984 with additional LAPP special properties
- Color code:
 - 2 core: red, black
 - 3 core (with gnye): red, black, gnye
 - 3 core (w/o gnye): red, yellow, blue
 - 4 core (with gnye): red, yellow, blue, gnye
 - 4 core (w/o gnye): red, yellow, blue, black
 - 5 core: red, yellow, blue, black, grey
- Outer sheath PVC Type ST1 as per IS 5831-1984
- Outer sheath colour, grey

Product Make-up

- Fine strands of bare copper wires
- PVC insulation Type A
- Cores twisted in layers
- PVC outer sheath, grey

Design - 100 I SY

- Bare copper, multi-stranded class 5, in acc. to IS 8130-1984, IEC 60228
- PVC Type A compound as per IS 5831-1984 with additional LAPP special properties
- Color code:
 - 2 core: red, black
 - 3 core (with gnye): red, black, gnye
 - 3 core (w/o gnye): red, yellow, blue
 - 4 core (with gnye): red, yellow, blue, gnye
 - 4 core (w/o gnye): red, yellow, blue, black
 - 5 core: red, yellow, blue, black, grey
- Inner sheath PVC Type ST1 as per IS 5831-1984
- Galvanised steel wire braiding, 65% coverage
- Outer sheath PVC Type ST1 as per IS 5831-1984
- Outer sheath colour, grey

Technical data

- Core identification code**
as per IS 694
- Based on**
in acc. to IS 694
- Conductor stranding**
fine wire acc. to 8139-1984, IEC 60228
- Minimum bending radius**
occasional flexing: 15 x cable diameter
- Rated voltage**
U₀/U: 660/1100 V
- Test voltage**
3000 V
- Protective conductor**
G = with protective conductor GN/YE
X = without protective conductor
- Temperature range**
Fixed installation: -5°C to +70°C

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 100 I				
38007053	2x1.0	7.0	19.2	68.0
38007064	2x1.5	8.1	29.0	91.0
38007074	2x2.5	9.2	48.0	126.0
38007054	3 G 1	7.4	29.0	80.0
38007065	3 G 1.5	8.6	43.0	110.0
38007075	3 G 2.5	10.0	72.0	159.0
38007082	3 G 4	12.1	115.2	243.0
38007092	3 G 6	13.1	173.0	311.0
38007055	4 G 1	8.5	38.4	104.0
38007066	4 G 1.5	9.8	58.0	141.0
38007076	4 G 2.5	11.3	96.0	203.0
38007083	4 G 4	13.5	154.0	302.0
38007093	4 G 6	14.5	230.0	390.0
ÖLFLEX® 100 I SY				
382300697	2x1.0	9.81	19.2	-
382300827	2x1.5	10.61	29.0	-
3119206	2x2.5	12.20	48.0	-
382300647	3x1.0	10.19	29.0	-
382300022	3x1.5	11.09	43.0	-
382300045	3x2.5	12.78	72.0	-
382300021	3x4	14.40	115.2	-
382300411	3x6	15.85	173.0	-
382300698	4x1.0	11.28	38.4	-
382300370	4 G 1.5	11.90	58.0	-
382300682	4 G 2.5	14.15	96.0	-
382300700	4x4	15.72	154.0	-
382301102	4x6	17.34	230.0	-

Note:
Available in standard lengths of 100 / 200 / 300 / 500 meters.
Photographs are not to scale and do not represent detailed images of the respective products.