



Advantage

- Oil resistant
- Acid and alkali resistant
- Hydrolysis resistance
- Flame test IEC60332-1

Characteristics

- Temperature range
-40°C to +90°C
- Nominal voltage
AC U0/U 450/750 V
- Min. Bending Radius
Fixed installation 5x cable Ø
- According to
IEC 62893 / EN 50620
- Certificate Number
R 50626648 / R 50626645

Cable Structure

- Conductor: EN/IEC 60228, Class 5 Flexible
- Insulation Layer: EVI-2
- Jacket Layer: EVM-1

Test Item

- Hot set test acc. to IEC/EN 60811-507
- Flame retardant acc. to IEC/EN 60332-1-2
- Cold elongation test acc. to IEC/EN 60811-505
- Tear strength acc. to IEC/EN 50396

Application

Electric vehicle charging cable is used to connect electric vehicle charging device and charging infrastructure, so as to carry out power transmission for electric vehicles, and is equipped with a certain number of signal lines, control lines, power auxiliary lines, etc., to ensure accurate control of the entire charging process and safe operation. Charging cables are generally used in charging stations, parking lots, hotels, communities, garages and other areas, and portable charging cables can be placed in the car.

Cross Section (mm ²)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max.(Ω/km, 20°C)
3×1.5+1×0.5	1.6	0.7	1.0	9.20±0.60	100.7	13.3
3×1.5+2×0.5	1.6	0.7	1.0	9.20±0.60	113.3	13.3
3×2.5+1×0.5	2.0	0.7	1.0	10.00±0.60	143.6	7.98
3×2.5+2×0.5	2.0	0.7	1.0	10.00±0.60	149.8	7.98
3×4+1×0.5	2.6	0.7	1.1	11.50±0.60	201.4	4.95
3×4+2×0.5	2.6	0.7	1.1	11.50±0.60	207.6	4.95
3×6+1×0.5	3.2	0.7	1.2	13.00±0.80	275.4	3.30
3×6+2×0.5	3.2	0.7	1.2	13.00±0.80	281.6	3.30
3×10+1×0.5	4.5	0.7	1.4	16.20±0.80	437.3	1.91
3×10+2×0.5	4.5	0.7	1.4	16.20±0.80	443.4	1.91
3×16+1×0.5	5.5	0.7	1.5	18.60±0.80	638.5	1.21
3×16+2×0.5	5.5	0.7	1.5	18.60±0.80	644.6	1.21
3×25+1×0.5	7.1	0.9	1.7	23.30±1.00	986.4	0.780
3×25+2×0.5	7.1	0.9	1.7	23.30±1.00	992.6	0.780
3×35+1×0.5	8.6	0.9	1.9	27.00±1.20	1388.7	0.554
3×35+2×0.5	8.6	0.9	1.9	27.00±1.20	1394.9	0.554

Cross Section (mm ²)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max.(Ω/km, 20°C)
5×1.5+1×0.5	1.6	0.7	1.2	11.20±0.80	166.7	13.3
5×1.5+2×0.5	1.6	0.7	1.2	11.20±0.80	172.9	13.3
5×2.5+1×0.5	2.0	0.7	1.2	12.30±0.80	226.3	7.98
5×2.5+2×0.5	2.0	0.7	1.2	12.30±0.80	232.5	7.98
5×4+1×0.5	2.6	0.7	1.3	14.10±0.80	319.1	4.95
5×4+2×0.5	2.6	0.7	1.3	14.10±0.80	325.2	4.95
5×6+1×0.5	3.2	0.7	1.4	16.00±1.00	438.1	3.30
5×6+2×0.5	3.2	0.7	1.4	16.00±1.00	444.3	3.30
5×10+1×0.5	4.5	0.7	1.5	19.60±1.00	688.8	1.91
5×10+2×0.5	4.5	0.7	1.5	19.60±1.00	695.0	1.91
5×16+1×0.5	5.5	0.7	1.7	22.80±1.20	1023.5	1.21
5×16+2×0.5	5.5	0.7	1.7	22.80±1.20	1029.7	1.21
5×25+1×0.5	7.1	0.9	2.0	29.00±1.20	1594.6	0.780
5×25+2×0.5	7.1	0.9	2.0	29.00±1.20	1600.8	0.780
5×35+1×0.5	8.6	0.9	2.3	33.60±1.50	2259.7	0.554
5×35+2×0.5	8.6	0.9	2.3	33.60±1.50	2265.9	0.554