Technical Specification

Welding Cable 50 mm²

S/N	Description	Data
1	Structure	
1.1	Conductor	Stranded annealed copper, 800/0.17 mm
1.2	Binder	-
1.2	Insulation	Flexible PVC, thickness 2.20 mm
1.3	Sheath	Flexible PVC, thickness 2.29 mm
1.4	Overall diameter	15.0 mm
1.5	Approx. net weight	417 kg/km
2	Electrical Performance	
2.1	DC Resist. @ 20℃	≤ 1.39 Ω/km
2.2	Voltage Test	2500V/5min
3	Mechanical performance of Insulation	
3.1	Tensile strength (before aging)	≥10 MPa
3.2	Elongation at break (before aging)	≥150%
3.3	Tensile strength (after aging)	≥10MPa
3.4	Tensile strength variation before and after aging	≤20%
3.5	Elongation at break (after aging)	≥150%
3.6	Elongation variation before and after aging	≤20%
4	Mechanical performance of Sheath	
4.1	Tensile strength (before aging)	≥10 MPa
4.2	Elongation at break (before aging)	≥150%
4.3	Tensile strength (after aging)	≥10MPa
4.4	Tensile strength variation before and after aging	≤20%
4.5	Elongation at break (after aging)	≥150%
4.6	Elongation variation before and after aging	≤20%