



**Standard:**  
EN 50620:2017



**General information**

Rated Voltage: 450/750 V  
 Operating Voltage max: 480/825 V  
 Insulation resistance at 20°C: min. 6,1 MΩ\*km  
 Insulation resistance at 90°C: min. 0,0061 MΩ\*km  
 Max. temperature at conductor: +90°C  
 Spark test 50Hz: 3500V (AC)  
 Lubricating oil engine severe duty Diesel & gasoline service (15W40)  
 Brake fluid, automotive polyglycol base; ISO 6722-1  
 Hydraulic fluid synthetic; ISO 6722-1 Gasoline automotive unleaded;  
 ISO 1817 Urea solution(32,5 %) in acc. with ISO 22241-1  
 Diesel fuel ISO 6722-1 Table 15 Anti freezing agent,  
 Ethylenglycol (C2H6O2) – water (mixing 1:1)  
 Solvent cleansing compound mineral oil resistant IRM 902  
 UV-stability, high water resistance, High flexibility  
 Higher UV-stability and weathering  
 Test for vertical flame propagation: V0  
 Min. bending radius: 4 x ø cable  
 Certificate No. : 1230420 acc. EN 50620:2017

**Construction:**

Conductor: E-Cu tinned acc. IEC 60228 class 5  
 Insulation: Crosslinked special halogen free compound EVI-2  
 Outer sheath: Special polyurethane (TPU) halogen free compound EVM-1  
 Insulation colour: blue, brown, gray, black, yellow-green or black numbered  
 Sheath colour: black or according clients order

**Application:**

Our cables are suitable for single-phase charging at the household socket according to mode 1, according to mode 2 with an additional control device, and according to mode 3 for charging at a public or private charging station.

**Packing:**



Number and nominal cross-section of cores	Nominal insulation wall thickness	Nominal Coating Wall Thickness	Minimum outer diameter of the cable	Maximum Wire Outer Diameter	Min. insulation resistance at 20°C	Min. insulation resistance at 90°C
mm <sup>2</sup>	mm	mm	mm	mm	MΩ*km	MΩ*km
3 G 1,50 + 1..2 x 0,5	0,7	1,0	8,2	10,5	10,5	0,0105
3 G 2,50 + 1..2 x 0,5	0,7	1,0	9,3	11,9	8,6	0,0086
3 G 6,00 + 1..2 x 0,5	0,7	1,2	12,3	15,7	6,1	0,0061
5 G 2,50 + 1..2 x 0,5	0,7	1,2	11,7	15,0	8,6	0,0086
5 G 4,00 + 1..2 x 0,5	0,7	1,3	13,5	17,3	7,1	0,0071
5 G 6,00 + 1..2 x 0,5	0,7	1,4	15,4	19,7	6,1	0,0061

Other cross-sections available on request



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