



Silicone UL 3580

Construction

- Conductor: flexible tin coated annealed copper wires
- Insulation: silicone rubber
- Marking: RU AWM STYLE 3580 150° 1kV

Technical Data

- Rated voltage Uo/U: acc. to UL, CSA 0 1000 V r.m.s.
- Test voltage: 300 V acc. to UL 758
- Operating voltage: 600 V
- Temperature: -60°C to +150°C
(acc. to UL 758; CSA C22.2 No. 210)
- max. temperature in case of short circuit: 350°C on the conductor (max duration 5 seconds)
- minimum installation & handling temperature: -25°C
- minimum bending radius: 4 x outer diameter
- max laying stress during installation: 50 N/qmm

Characteristics

- As Motor Leads or Internal Wiring of Appliances or Electronic Equipment where not subjected to mechanical abuse.
- Flame behaviour Reduced flame spread according to:
FT-2 Horizontal Flame Test according to UL 758, Sec. 44 / CSA C22.2 No. 210, Clause 11.8(b)
IEC 60332-1-2 : Tests on electric and optical fibre cables under fire conditions -
Part 1-2: Test for vertical flame propagation for a single insulated wire or cable -
Procedure for 1 kW pre-mixed flame
- Halogen free according to:
 - IEC 60754-1: Test on gases evolved during combustion of materials from cables -
Part 1: Determination of the halogen acid gas content
 - IEC 60754-2: Test on gases evolved during combustion of materials from cables -
Part 2: Determination of acidity (by pH measurement) and conductivity
 - IEC 61034-1/2 : Measurement of smoke density of cables burning under defined conditions -
Part 1: Test apparatus /Part 2: Test procedure and requirements
- EU Environmental Regulations Compliance:
 - Reach Regulation 1907/2006/EC compliant.
 - RoHS Directive 2002/95/EC compliant.
 - WEEE Directive 2002/96/EC compliant.

qmm	AWG	Construction	Insulation thickness	outer Ø mm	max cond. resistance at 20°C Ohms/km	indicative weight Kg/km	articlenumber
0,5	21	14 x 0,2	1,14 mm	3,3 +/- 0,1	40,1	16	7809056010

qmm	AWG	Construction	Insulation thicknes	outer Ø mm	max cond. resistance at 20°C Ohms/km	indicative weightKg/km	articlenumber
0,75	19	21 x 0,2	1,14 mm	3,5 +/- 0,1	26,7	19	7809076010
1	18	28 x 0,2	1,14 mm	3,6 +/- 0,1	20,0	22	7809016010
1,5	16	28 x 025	1,14 mm	3,9 +/- 0,1	13,7	28	7809156010
2,5	14	47 x 0,25	1,14 mm	4,5 +/- 0,1	8,21	39	7809256010
4	12	54 x 0,3	1,14 mm	4,9 +/- 0,1	5,09	53	7809406010
6	10	80 x 0,3	1,14 mm	5,4 +/- 0,2	3,39	72	7809606010
10	8	77 x 0,4	1,52 mm	7,5 +/- 0,2	1,95	135	7809106010
16	6	119 x 0,4	1,52 mm	8,5 +/- 0,2	1,24	190	7809161010
25	4	182 x 0,4	1,52 mm	9,7 +/- 0,2	0,795	270	7809256010
35	2	260 x 0,4	1,52 mm	11,0 +/- 0,3	0,565	370	7809356010
50	1	364 x 0,4	2,03 mm	13,4 +/- 0,3	0,393	540	7809506010

qmm	AWG	Construction	Insulation thicknes	outer Ø mm	max cond. resistance at 20°C Ohms/km	indicative weightKg/km	articlenumber
70	2/0	336 x 0,5	2,03 mm	15,2 +/- 0,3	0,277	750	7809706010
95	3/0	456 x 0,5	2,03 mm	17,1 +/- 0,4	0,210	980	7809956010
120	4/0	576 x 0,5	2,03 mm	18,6 +/- 0,4	0,164	1210	7809126010

- Further formats available on request
- All data and products subject to change