

Silicone Cables

SİMH C1

Ref. Std. VDE 282-15, TS EN 50525-2-83

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Kablo Yapısı / Construction

İç İletken Inner Conductor	Elektrolitik bükülü tavlı bakır tel (IEC 60228, sınıf 5) Electrolytic stranded annealed copper wire (IEC 60228, class 5)	Ayırıcı Separator	Polyester bant Polyester tape
İzolasyon Insulation	Silikon compound (EI2) damar renkleri VDE 0293-308 / HD 308 S2 'ye uygun olacaktır. Silicon compound, EI2 Core colours VDE 0293-308 / HD 308 S2 ton be suitable.	Ekran Screen	Kalaylı bakır örgü ekran Tinned copper braid screen
Öz Oluşturma Lay-Up	İzole edilmiş damarlar uygun adımlarla katlar halinde bükülür. Polyester bant ile sabitlenir. Isolated cores are bent in layers at proper steps and are fixed with Polyester tape.	Kılıf Sheath	Silikon compound, EM9, RAL 3000 Kiremit kırmızısı Silicon compounding, EM9, RAL 3000 Brick red

Genel Özellikler - General Features

- ✓ **Alev Testi / Flame Test**
IEC 60332-1, EN 60332-1, VDE 0482-332-1
- ✓ **Alev Yayılma / Flame Spread**
IEC 60332-3-24, EN 60332-3-24, VDE 0482-332-3-24
- ✓ **Halojen-Korozif Gaz Testi / Halogen-Corrosive Gas Test**
IEC 60754-2, EN 50267-2, VDE 0482-267-2
- ✓ **Duman Yoğunluğu / Smoke Density**
IEC 61034-2, EN 61034-2, VDE 0482-1034-2
- ✓ **İzolasyon Sürekliliği (FE) / Insulation Continuity**
EN 60331, VDE 0472 Part 814

Kullanım Alanı

Silikon kauçuk izoleli kablolar yüksek veya düşük sıcaklıklarda nemli, kuru ıslak alanlarda; mekanik dayanımın az olduğu sanayi tesislerinde, fırınlarda, makine, üretim, montaj bölümlerinde ortam ısısının -60°C ... +180 °C olduğu yerlerde kullanılırlar.

Application

This type of silicon-isolated, encased and screened cables are used as control and feeding cable which are furnished stably in environments with a high ambient temperature, in dry, humid and wet places, in places with an ambient temperature between -60°C ... +180°C, in machines and plants which are required to be protected against high electromagnetic external factors. These cables are also used in instrumentation, control devices and machines, transportation devices and production lines required by project engineering. The screen which is woven with thin tinned copper ensures protection against noises and signals.

Elektriksel Özellikler / Electrical Characteristics

Kesit (mm²) Cross Section	0,50	0,75	1,0	1,5	2,5
İletken DC Direnci (Ω/Km) Conductor DC Resistance	39	26	19,5	13,3	7,98
Çalışma Gerilimi Test Voltage	300/500 V, 4 mm ² ≥ 450/750 V				
Test Gerilimi Test Voltage	2000 V, 4 mm ² ≥ 2500 V				
Kısa Devre Gerilimi (V) Short Circuit Voltage	5000				
İzolasyon Direnci (M.Ω.Km) Insulation Resistance	20				

Teknik Özellikler / Technical Properties

	Sabit / Fixed	Hareketli / Flexible
Çalışma Sıcaklığı (°C) Temperature Range	- 60 °C +180 °C	- 25 °C +180 °C
	4xD	7,5xD
İletken Sıcaklığı (°C) Conductor Temperature	+180	
Kısa Devre Sıcaklığı (°C) Short Circuit Temperature	+200	

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Kesit (n x mm ²) Cross Section	Dış Çap Outer Diameter	Cu Fak. (Kg/Km) Cu Factor. (Kg/Km)	Ort. Ağ. (Kg/Km) Nom. Weight (Kg/Km)	Kod No. Code No.
2x0,5	6,8	26	60	816050024
3x0,5	7,1	32	68	816050034
4x0,5	7,6	39	81	816050044
5x0,5	8,2	46	93	816050054
6x0,5	8,6	52	105	816050064
7x0,5	9,0	58	116	816050074
12x0,5	12,0	91	205	816050124
2x0,75	7,0	32	68	816080024
3x0,75	7,4	40	80	816080034
4x0,75	8,2	49	100	816080044
5x0,75	8,9	58	120	816080054
6x0,75	10,0	66	135	816080064
7x0,75	10,0	74	151	816080074
12x0,75	13,2	118	275	816080124
2x1,0	7,4	37	80	816100024
3x1,0	7,8	48	90	816100034
4x1,0	8,5	59	110	816100044
5x1,0	9,5	70	140	816100054
6x1,0	10,4	81	160	816100064
7x1,0	10,4	91	172	816100074
12x1,0	13,6	146	315	816100124
2x1,5	8,0	48	95	816150024
3x1,5	8,5	63	115	816150034
4x1,5	9,5	79	145	816150044
5x1,5	10,5	95	180	816150054
6x1,5	11,7	110	200	816150064
7x1,5	11,7	125	230	816150074
12x1,5	15,4	203	420	816150124
2x2,5	9,5	69	135	816250024
3x2,5	10,0	92	170	816250034
4x2,5	11,0	117	212	816250044
5x2,5	12,6	142	288	816250054
6x2,5	13,6	165	318	816250064
7x2,5	13,6	189	356	816250074
12x2,5	18,4	311	620	816250124