

Teknik Veriler / Technical Data

Çalışma gerilimi
Operating voltage
450/750 V

Çalışma sıcaklığı
Operating temperature
-35...+80°C

Bükme yarıçap
Bending radius
Min.15 x Ø

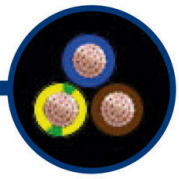
Referans standart
Reference standard
EN 50525-2-21:2011

Test gerilimi
Test voltage
2500 V

Kısa devre sıcaklığı Max.
Short-circuit temperature Max.
200°C

Max. Kalıcı çekme yükü
Max. Permanent tensile load
15 N/mm²

H07RN-F 450/750 V



Kullanım Alanları

Yüksek ve orta dereceli mekanik etkenlere maruz kalan, hareketli aletleri, güç araçlarını ve makineleri bağlamak için kullanılan kauçuk kılıflı esnek kablolardır. Bu kablolar; kuru, rutubetli ve ıslak çevre şartlarında çalıştırılan endüstriyel ekipmanlar, tarım makineleri ve elektrikli aletler gibi makine ve cihazlarda kullanılmaktadır. Yağa, mazota, asitlere, kimyasallara, ozona ve aleve karşı dayanıklılıkları sayesinde; hareketli motorlarda, tersanelerde ve şantiyelerde kullanıma uygundurlar. Mekanik parçalar üzerinde doğrudan uygulanabilme özelliği sayesinde bu kablolar asansör ve vinçlerde de kullanılabilirler.

Applications

Heavy rubber sheated flexible cables for high and medium mechanical demands to connect moving implements, power appliances and machines. These cables are used on the machinery and devices such as industrial equipments, electric tools and agricultural machines which are operated within dry, humid and wet environments. Owing to their resistance against oil, diesel oil, acids, chemicals, ozone and flame; they are suited usage in moving engines, shipyards and building lots. Eligibility due to direct laying on mechanical parts, these cables are also used for lifts and cranes.

Kablo Yapısı / Cable Structure

İletken **Conductor**	**: Bükülü tavlı bakır teller (EN 60228 Class 5)** **: Stranded bare copper wires (EN 60228 Class 5)**
İzolasyon **Insulation**	**: Kauçuk bileşik (EN 50363-1 / EI4)** **: Rubber compound (EN 50363-1 / EI4)**
İzolasyon renkleri **Insulation colors**	**: Renkli yada numaralı siyah damarlar, (HD 308 S2)** **: With colors or numbered black cores, (HD 308 S2)**
Kılıf **Sheath**	**: Kauçuk bileşik (EN 50363-2-1 / EM2)** **: Rubber compound (EN 50363-2-1 / EM2)**
Renk **Color**	**: Siyah** **: Black**

Uygulanan Testler / Applied Tests

Yapısal boyut testleri **Structural dimension tests**	**: EN 50525-1, EN 50396**
Mekanik testler **Mechanical tests**	**: EN 60811-1-1, EN 60811-1-2 EN 60811-2-1,EN 60811-3-1**
Elektriksel testler **Electrical tests**	**: EN 50395** **: EN 50395**
Düşük sıcaklık testleri **Low temperature tests**	**: EN 60811-1-4/4-1**
Yangın performans testleri **Fire performance tests**	**: EN 60332-1-2**

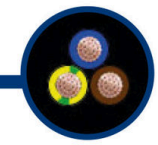
Damar Sayısı x İletken Kesiti (mm²) Core Numbers Conductor Section (mm²)	Dış Çap yaklaşık (mm) O.D approx (mm)	Bakır Faktörü (kg/km) Copper Factor (kg/km)	Kablo Ağırlığı yaklaşık (kg/km) Cable Weight approx (kg/km)
1 x 1,50	5,80	14,4	51,30
1 x 2,50	6,45	24,0	66,89
1 x 4,00	7,35	38,0	92,06
1 x 6,00	8,10	58,0	118,73
1 x 10	9,80	96,0	184,96
1 x 16	11,35	154,0	257,82
1 x 25	13,30	240,0	375,72
1 x 35	14,60	336,0	485,05
1 x 50	17,20	480,0	668,32
1 x 70	19,35	672,0	891,06

Damar Sayısı x İletken Kesiti (mm²) Core Numbers Conductor Section (mm²)	Dış Çap yaklaşık (mm) O.D approx (mm)	Bakır Faktörü (kg/km) Copper Factor (kg/km)	Kablo Ağırlığı yaklaşık (kg/km) Cable Weight approx (kg/km)
1 x 95	22,20	912,0	1.159,09
1 x 120	24,30	1152,0	1.435,63
1 x 150	25,90	1440,0	1.747,58
1 x 185	29,70	1776,0	2.142,04
1 x 240	31,50	2304,0	2.697,26
2 x 1	8,10	19,0	94,91
2 x 1,50	9,00	29,0	120,04
2 x 2,50	10,70	48,0	173,23
2 x 4	12,30	77,0	238,76
2 x 6	13,80	115,0	312,28



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Damar Sayısı x İletken Kesiti (mm²)	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm²)	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
2 x 10	18,60	192,0	563,14
2 x 16	21,70	307,0	830,59
2 x 25	25,80	480,0	1.210,84
3 x 1	8,74	29,0	116,48
3 x 1,50	9,68	43,0	147,28
3 x 2,50	11,48	72,0	212,94
3 x 4	13,20	115,0	296,24
3 x 6	14,78	173,0	389,77
3 x 10	19,99	288,0	704,08
3 x 16	23,31	461,0	1.031,82
3 x 25	27,69	720,0	1.512,03
3 x 35	30,23	1008,0	1.906,41
3 x 50	35,78	1440,0	2.651,24
3 x 70	40,16	2016,0	3.483,64
3 x 95	46,46	2736,0	4.593,38
3 x 120	50,73	3456,0	5.629,74
3 x 150	54,12	4320,0	6.758,28
3 x 185	62,26	5328,0	8.451,81
3 x 240	67,12	6192,0	10.574,04
4 x 1	9,63	38,0	142,12
4 x 1,50	10,63	58,0	179,40
4 x 2,50	12,60	96,0	259,41
4 x 4	14,48	154,0	366,63
4 x 6	16,41	230,0	486,40
4 x 10	21,74	384,0	854,82
4 x 16	25,40	614,0	1.262,08
4 x 25	30,61	960,0	1.891,16
4 x 35	33,38	1344,0	2.389,14
4 x 50	39,48	1920,0	3.316,66

Damar Sayısı x İletken Kesiti (mm²)	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm²)	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
4 x 70	44,50	2688,0	4.389,32
4 x 95	51,81	3648,0	5.828,19
4 x 120	56,10	4608,0	7.086,53
4 x 150	60,00	5760,0	8.553,14
4 x 185	69,19	7104,0	10.694,47
4 x 240	74,45	9216,0	13.404,04
5 x 1,50	11,70	72,0	219,86
5 x 2,50	13,86	120,0	317,86
5 x 4	16,15	192,0	453,50
5 x 6	18,23	288,0	605,47
5 x 10	23,94	480,0	1.050,84
5 x 16	28,19	768,0	1.547,98
5 x 25	33,91	1200,0	2.314,21
5 x 35	37,14	1680,0	2.944,80
5 x 50	43,88	2400,0	4.079,45
5 x 70	49,81	3360,0	5.447,79
5 x 95	57,62	4560,0	7.173,09
6 x 1,50	14,00	85	301,93
6 x 2,50	16,35	150	425,41
7 x 1,50	15,13	101,0	351,30
7 x 2,50	17,68	168,0	495,38
12 x 1,50	18,28	175,0	506,52
12 x 2,50	21,38	288,0	717,11
18 x 1,50	21,40		715,12
18 x 2,50	26,38	432,0	1.058,76
24 x 1,50	24,40	346,0	954,75
24 x 2,50	28,97	576,0	1.330,75
36 x 1,50	28,60	500	1.300,36
36 x 2,50	34,15	850	1.910,32

* G = Sarı/yeşil toprak damarlı, X = Toprak damarsız
* Standart ambalajlama
  Kangal < 30 kg ve 250 mt < Makara
* Akım taşıma kapasiteleri için teknik eklere bakınız

* G = With green/yellow earth core, X = without earth core
* Standard packaging
  Coil < 30 kg and 250 mt < Drum
* See the technical annexes for current carrying capacities