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TERMOKAYNAK SİSTEMLERİ

EXOTHERMIC WELDING SYSTEMS



Termokaynak Nedir ?

Termokaynak, elektriksel olarak irtibatlandırılması gereken eklerde; bakır-bakır, bakır-çelik, çelik-çelik, alüminyum-bakır, alüminyum-alüminyum gibi farklı metaller için bile kolayca uygulanabilen kaynak işlemidir. Elektriksel irtibatlandırmada, iletkenlerde kesintisiz ve sağlam bir iletim yolu oluşturulması oldukça önemlidir.

Topraklama Sisteminde Termokaynak İşleminin Önemi

Topraklama tesisatında kurulumdan uzun yıllar sonra görülen en önemli sıkıntılardan biri de toprakaltı iletken bağlantılarında çürümenin olması ve gevşeme, ayrılma gibi problemleri de beraberinde getirmesidir. Bu tür sorunlarla karşılaşmamak için toprakaltı iletken bağlantılarının termokaynak ile yapılması gerekmektedir. Termokaynak, dışarıdan bir ısı kaynağı gücüne ihtiyaç duymadan, yüksek kaliteli elektriksel bağlantı oluşturmanın en önemli yoludur.

Nasıl Yapılır ?

1. Pota pensesi yardımıyla potayı açın ve iletkenleri pota içerisine yerleştirin.
2. Potanın sıkı bir şekilde kapandığını kontrol edin. İletkenler sabit ve doğru şekilde yerleşmiş olmalıdır.
3. İstenmeyen sızmaları önlemek için metal disk potanın dibine yerleştirin.
4. Bağlantı için gereken miktarda kaynak tozunu potaya dökün.
5. Kaynak tozunun üzerine tüpün ters tarafında bulunan başlatıcı tozu dökün.
6. Başlatıcı tozun üzerine füyeyi yerleştirin ve potanın kapağını kapatın.
7. Elektronik çakmağın "on/off" butonuna basın. "Ready" ışığının yandığını gördükten sonra "Burn" tuşuna basın.
8. İşlem bittikten sonra 15 saniye bekleyin ve potayı açın. Fırça ve kazıyıcı yardımıyla potayı temizleyin.

What is Exothermic Welding?

Exothermic welding is the welding process that can be applied easily even for different metals, such as copper-copper, copper-steel, steel-steel, aluminum-copper, aluminum-aluminum in joints that must be connected electrically. For electrical connections, it is very important to create an uninterrupted and solid transmission line in conductors.

Importance of Exothermic Welding in Grounding Systems

One of the most important problems experienced in grounding installations after many years is the corrosion in underground conductor connections, which brings about problems such as loosening and separation. In order to prevent such problems from occurring, underground conductors must be connected using exothermic welding. Exothermic welding is the most important way to create a high-quality electrical connection without the need for an external heat source.

How Is It Done?

1. Open the mould by using handle clamp, then fit the conductors in the mould.
2. Check if the mould is tightly closed. Also the conductors must be fixed and well positioned.
3. To prevent unwanted leaks, place the metallic disk in the bottom of the mould.
4. Pour the needed amount of welding powder into the mould.
5. Pour the starter powder over the main powder. It locates in the reverse side of the tube.
6. Place the welding fuse over the starter powder, then close the mould cover.
7. Press "on/off" button of the remote flint igniter and see the "ready" indicator is active. Then press "burn".
8. After the reaction, wait during 15 seconds and open the mould. Clean it with the mould brush and the scraper.





Amperweld tozu:

Bir tür bakır alaşımı olan Amperweld tozu, birleştirilecek iletkenlerin kesitine göre farklı gramajlara sahip plastik tüpler halinde piyasaya sunulur. Her bir tüpte, istenen bağlantıyı yapmaya yetecek miktarda metal kaynak tozu ve uygun miktarda gümüş renkli başlatma tozu bulunur.

Amperweld powder:

A kind of copper alloy, Amperweld powder is available in plastic tubes with various weights depending on the section of conductors to be connected. Each tube contains enough metal weld powder for the desired connection, along with silver-colored starting powder.

Saplı mengene (Pense):

Birbirine kaynak yapılacak iletkenlerin içinde bulunduğu grafit kalıbı kıstırmak suretiyle, kalıbın açılmasını ve içine konan kaynak tozunun dağılmasını önleyen iki saplı pense. Saplı mingeneler değişik tipte kalıpları sıkmakta kullanılabilir ve gerekli bağlantının tip ve boyutlarına göre üretilirler.

Handle clamp:

It is the pliers with two handles that prevent the mold from opening and dispersion of the weld powder inside the mold by clamping the graphite mold, including the conductors to be welded. Lever clamps can be used to clamp different types of molds and are produced depending on the type and size of the required connection.

Ateşleyici (Çakmak):

Tepkimeyi başlatmak için kullanılır. Bu işlem sırasında tozu tutuşturmak için kullanılan geleneksel termokaynak çakmağı yerine 6331 sayılı İş Sağlığı ve Güvenliği Kanunu esas alınarak geliştirilen "Elektronik Pota Çakmağının" kullanımı oldukça büyük avantaj sağlamaktadır.

Igniter (Lighter):

This is used to start the reaction. Using the electronic crucible lighter developed based on Occupational Health and Safety Code No. 6331 is more advantageous than using a traditional exothermic welding lighter to ignite the powder during this process.

Kablo temizleyici:

Dairesel iletkenlerin, yani rod ve kabloların temizliği için tasarlanmıştır. Kablo fırçasının kafaları değiştirilebilir.

Cable cleaner:

Designed to clean the circular conductors, i.e. rods and cables. The head of the cable brush can be changed.

Kullanılan Malzemeler

Grafit kalıp (Pota):

Özel tasarımı grafit kalıp; bir hazne, bir boşaltma deliği ve bir kaynak boşluğu içerir. Termik tepkime, haznede gerçekleşir. Ergiyen bakır, boşaltma deliğinden kaynak boşluğuna akar. Bu kısım, kalıbın işlemi tamamlanmış bağlantıdan kolay ayrılmasını sağlayacak şekilde tasarlanmıştır. Bu da kullanım sırasında gösterilen özene de bağlı olarak kalıbın ömrünü uzatır. Bir kaynak potasının ortalama ömrü, 50 kullanım civarındadır.

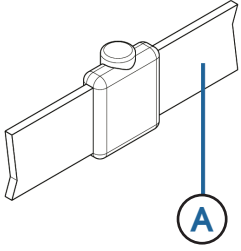
Materials Used

Graphite Mould:

A specifically designed graphite mould is composed of a chamber, a discharge hole, and a weld gap. Thermal reaction occurs in the chamber. The molten copper pours into the weld gap from the discharge hole. This section is designed to easily separate the mould from the completed connection. Hence, it also prolongs the life of the mould if care is taken during use. The mean life of a welding crucible is around 50 uses.

**BB1 - Baradan Baraya**

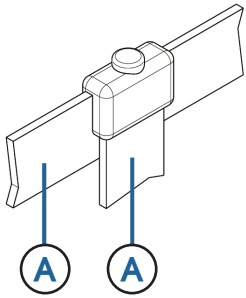
BB1 - Bar To Bar



İLETKEN KESİTİ Conductor Size (mm) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
25 x 3	65P10	BB1-253	HCPK4	C
30 x 2	50P10	BB1-302	HCPK4	C
30 x 3	115P10	BB1-303	HCPK4	C
30 x 3,5	115P10	BB1-303,5	HCPK4	C
30 x 5	115P10	BB1-305	HCPK4	C
40 x 3	150P10	BB1-403	HCPK4	C
40 x 4	200P10	BB1-404	HCPK5	D
40 x 5	200P10	BB1-405	HCPK5	D
50 x 3	200P10	BB1-503	HCPK5	D
50 x 5	250P10	BB1-505	HCPK5	D
50 x 6	250P10	BB1-506	HCPK5	D

BB3 - Baradan Baraya

BB3 - Bar To Bar

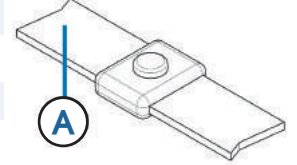


İLETKEN KESİTİ Conductor Size (mm) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
25 x 3	90P10	BB3-203	HCPK4	C
30 x 2	115P10	BB3-302	HCPK4	C
30 x 3	115P10	BB3-304	HCPK4	C
30 x 3,5	115P10	BB3-303,5	HCPK4	C
30 x 5	115P10	BB3-305	HCPK4	C
40 x 3	150P10	BB3-403	HCPK4	C
40 x 4	150P10	BB3-404	HCPK5	D
40 x 5	200P10	BB3-405	HCPK5	D
50 x 3	200P10	BB3-503	HCPK5	D
50 x 5	250P10	BB3-505	HCPK5	D
50 x 6	250P10	BB3-506	HCPK5	D

BB7 - Baradan Baraya

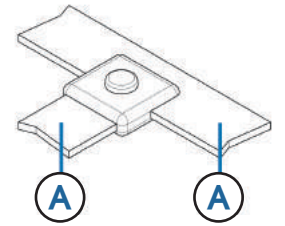
BB7 - Bar To Bar

İLETKEN KESİTİ Conductor Size (mm) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
25 x 3	90P10	BB7-253	HCPK4	C
30 x 2	90P10	BB7-302	HCPK4	C
30 x 3	90P10	BB7-303	HCPK4	C
30 x 3,5	90P10	BB7-303,5	HCPK4	C
30 x 5	115P10	BB7-305	HCPK4	C
40 x 3	115P10	BB7-403	HCPK4	C
40 x 4	150P10	BB7-404	HCPK5	D
40 x 5	150P10	BB7-405	HCPK5	D
50 x 3	200P10	BB7-503	HCPK5	D
50 x 5	200P10	BB7-505	HCPK5	D
50 x 6	250P10	BB7-506	HCPK5	D

**BB14 - Baradan Baraya**

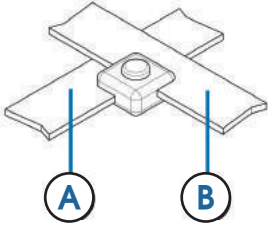
BB14 - Bar To Bar

İLETKEN KESİTİ Conductor Size (mm) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
25 x 3	90P10	BB14-253253	HCPK4	C
30 x 2	90P10	BB14-302302	HCPK4	C
30 x 3	115P10	BB14-304304	HCPK4	C
30 x 3,5	115P10	BB14-303,5303,5	HCPK5	D
30 x 5	115P10	BB14-305305	HCPK5	D
40 x 3	115P10	BB14-403403	HCPK5	D
40 x 4	150P10	BB14-404404	HCPK5	D
40 x 5	150P10	BB14-405405	HCPK5	D
50 x 3	150P10	BB14-503503	HCPK5	D
50 x 5	200P10	BB14-505505	HCPK5	D
50 x 6	250P10	BB14-5065506	HCPK5	D



**BB41 - Baradan Baraya**

BB41 - Bar To Bar

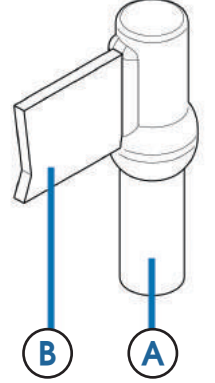


İLETKEN KESİTİ Conductor Size (mm)		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
A	B				
25 x 3	25 x 3	65P10	BB41-253	HCPK4	C
30 x 2	30 x 2	65P10	BB41-302	HCPK4	C
30 x 3	30 x 3	115P10	BB41-304	HCPK5	D
30 x 3,5	30 x 3,5	115P10	BB41-303,5	HCPK5	D
30 x 5	30 x 5	115P10	BB41-305	HCPK5	D
40 x 3	40 x 3	200P10	BB41-403	HCPK5	D
40 x 4	40 x 4	200P10	BB41-404	HCPK5	D
40 x 5	40 x 5	200P10	BB41-405	HCPK5	D
50 x 3	50 x 3	200P10	BB41-503	HCPK5	D
50 x 5	50 x 5	200P10	BB41-505	HCPK5	D
50 x 6	50 x 6	200P10	BB41-506	HCPK5	D

BE1 – Baradan Topraklama Elektroduna

BE1 – Bar To Earthing Rod

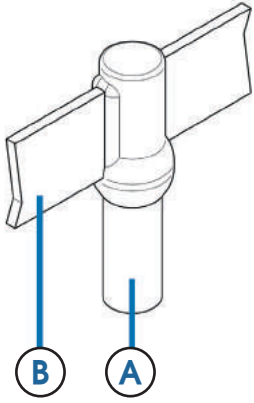
İLETKEN KESİTİ Conductor Size (mm)		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
A	B				
16	25 x 3	150P10	BE1-16253	HCPK4	C
16	30 x 3	150P10	BE1-16303	HCPK4	C
16	30 x 3,5	150P10	BE1-16303,5	HCPK4	C
16	30 x 5	200P10	BE1-16305	HCPK4	C
16	40 x 3	200P10	BE1-16403	HCPK4	C
16	40 x 4	200P10	BE1-16404	HCPK5	D
16	40 x 5	200P10	BE1-16405	HCPK5	D
16	50 x 3	250P10	BE1-16503	HCPK5	D
16	50 x 5	2x150P10	BE1-16505	HCPK5	D
18	25 x 3	150P10	BE1-18253	HCPK5	D
18	30 x 3	150P10	BE1-18303	HCPK4	C
18	30 x 3,5	150P10	BE1-18303,5	HCPK4	C
18	30 x 5	200P10	BE1-18305	HCPK4	C
18	40 x 3	200P10	BE1-18403	HCPK4	C
18	40 x 4	200P10	BE1-18404	HCPK5	D
18	40 x 5	200P10	BE1-18405	HCPK5	D
18	50 x 3	250P10	BE1-18503	HCPK5	D
18	50 x 5	2x150P10	BE1-18505	HCPK5	D
20	25 x 3	150P10	BE1-20253	HCPK4	C
20	30 x 3	200P10	BE1-20303	HCPK4	C
20	30 x 3,5	200P10	BE1-20303,5	HCPK4	C
20	30 x 5	250P10	BE1-20305	HCPK4	C
20	40 x 3	250P10	BE1-20403	HCPK4	C
20	40 x 4	250P10	BE1-20404	HCPK5	D
20	40 x 5	250P10	BE1-20405	HCPK5	D
20	50 x 3	2x150P10	BE1-20503	HCPK5	D
20	50 x 5	2x150P10	BE1-20505	HCPK5	D





BE2 - Baradan Baraya

BE2 - Bar To Bar

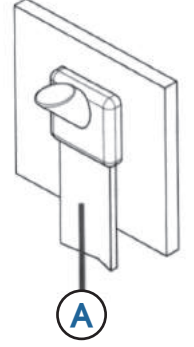


İLETKEN KESİTİ Conductor Size (mm)		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
A	B				
16	25 x 3	150P10	BE2-16253	HCPK4	C
16	30 x 3	200P10	BE2-16303	HCPK4	C
16	30 x 3,5	200P10	BE2-16303,5	HCPK4	C
16	30 x 5	250P10	BE2-16305	HCPK4	C
16	40 x 3	250P10	BE2-16403	HCPK5	D
16	40 x 4	250P10	BE2-16404	HCPK5	D
16	40 x 5	250P10	BE2-16405	HCPK5	D
16	50 x 3	2x150P10	BE2-16503	HCPK5	D
16	50 x 5	2x150P10	BE2-16505	HCPK5	D
18	25 x 3	150P10	BE2-18253	HCPK4	C
18	30 x 3	200P10	BE2-18303	HCPK4	C
18	30 x 3,5	200P10	BE2-18303,5	HCPK4	C
18	30 x 5	250P10	BE2-18305	HCPK4	C
18	40 x 3	250P10	BE2-18403	HCPK5	D
18	40 x 4	250P10	BE2-18404	HCPK5	D
18	40 x 5	250P10	BE2-18405	HCPK5	D
18	50 x 3	2x150P10	BE2-18503	HCPK5	D
18	50 x 5	2x150P10	BE2-18505	HCPK5	D
20	25 x 3	150P10	BE2-20253	HCPK4	C
20	25 x 4	200P10	BE2-20254	HCPK4	C
20	30 x 3	200P10	BE2-20303	HCPK4	C
20	30 x 3,5	200P10	BE2-20303,5	HCPK4	C
20	30 x 5	250P10	BE2-20305	HCPK4	C
20	40 x 3	250P10	BE2-20403	HCPK5	D
20	40 x 4	250P10	BE2-20404	HCPK5	D
20	40 x 5	250P10	BE2-20405	HCPK5	D
20	50 x 3	2x150P10	BE2-20503	HCPK5	D
20	50 x 5	2x150P10	BE2-20505	HCPK5	D

BY1 – Baradan Çelik Yüzeye

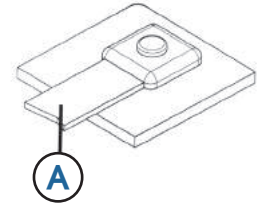
BY1 - Bar To Steel Surface

İLETKEN KESİTİ Conductor Size (mm) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
25 x 3	90P10	BY1-253	HCPK4	C
30 x 2	90P10	BY1-302	HCPK4	C
30 x 3	115P10	BY1-303	HCPK4	C
30 x 3,5	115P10	BY1-303,5	HCPK4	C
30 x 5	150P10	BY1-305	HCPK4	C
40 x 3	150P10	BY1-403	HCPK5	D
40 x 4	200P10	BY1-404	HCPK5	D
40 x 5	200P10	BY1-405	HCPK5	D
50 x 3	200P10	BY1-503	HCPK5	D
50 x 5	250P10	BY1-505	HCPK5	D
50 x 6	2x150P10	BY1-506	HCPK5	D

**BY2 – Baradan Çelik Yüzeye**

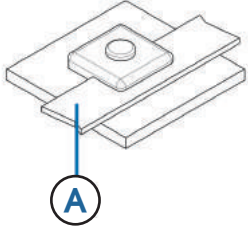
BY2 - Bar To Steel Surface

İLETKEN KESİTİ Conductor Size (mm) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
25 x 3	115P10	BY2-253	HCPK4	C
30 x 2	115P10	BY2-302	HCPK4	C
30 x 3	115P10	BY2-303	HCPK4	C
30 x 3,5	115P10	BY2-303,5	HCPK4	C
30 x 5	200P10	BY2-305	HCPK4	C
40 x 3	115P10	BY2-403	HCPK5	D
40 x 4	200P10	BY2-404	HCPK5	D
40 x 5	200P10	BY2-405	HCPK5	D
50 x 3	200P10	BY2-503	HCPK5	D
50 x 4	2x150P10	BY2-504	HCPK5	D
50 x 5	2x150P10	BY2-505	HCPK5	D



**BY3 – Baradan Çelik Yüzeye**

BY3 - Bar To Steel Surface

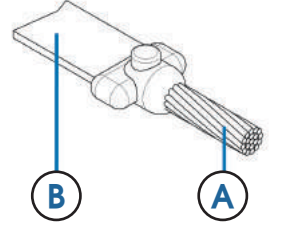


İLETKEN KESİTİ Conductor Size (mm) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
25 x 3	115P10	BY3-253	HCPK4	C
30 x 2	115P10	BY3-302	HCPK4	C
30 x 3	150P10	BY3-303	HCPK4	C
30 x 3,5	150P10	BY3-303,5	HCPK4	C
30 x 5	115P10	BY3-305	HCPK4	C
40 x 3	150P10	BY3-403	HCPK5	D
40 x 4	200P10	BY3-404	HCPK5	D
40 x 5	250P10	BY3-405	HCPK5	D
50 x 3	250P10	BY3-503	HCPK5	D
50 x 5	250P10	BY3-505	HCPK5	D
50 x 6	250P10	BY3-506	HCPK5	D

KB1 - Kablodan Baraya

KB1 - Cable To Bar

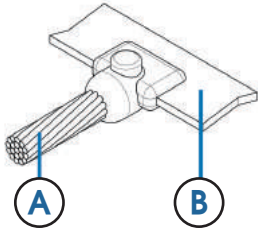
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16	25 x 3	65P10	KB1-16253	HCPK4	C
25	25 x 3	65P10	KB1-25253	HCPK4	C
35	20 x 3	65P10	KB1-35203	HCPK4	C
35	25 x 3	65P10	KB1-35253	HCPK4	C
35	30 x 3	115P10	KB1-35303	HCPK4	C
35	30 x 3,5	115P10	KB1-35303,5	HCPK4	C
50	30 x 3	115P10	KB1-50303	HCPK4	C
50	25 x 3	90P10	KB1-50253	HCPK4	C
50	30 x 3,5	115P10	KB1-50303,5	HCPK4	C
Ø8	30 x 3	115P10	KB1-8SC303	HCPK4	C
Ø8	25 x 3	90P10	KB1-8SC253	HCPK4	C
Ø8	30 x 3,5	115P10	KB1-8SC303,5	HCPK4	C
70	25 x 3	90P10	KB1-70253	HCPK4	C
70	30 x 3	115P10	KB1-70303	HCPK4	C
70	30 x 3,5	115P10	KB1-70303,5	HCPK4	C
Ø10	25 x 3	90P10	KB1-10SC253	HCPK4	C
Ø10	30 x 3	115P10	KB1-10SC303	HCPK4	C
Ø10	30 x 3,5	115P10	KB1-10SC303,5	HCPK4	C
95	30 x 3	115P10	KB1-95303	HCPK4	C
95	30 x 3,5	115P10	KB1-95303,5	HCPK4	C
120	30 x 3	115P10	KB1-120303	HCPK4	C
120	30 x 3,5	150P10	KB1-120303,5	HCPK4	C
120	30 x 5	115P10	KB1-120305	HCPK4	C
150	30 x 3	150P10	KB1-150303	HCPK4	C
150	30 x 3,5	150P10	KB1-150303,5	HCPK4	C
150	30 x 5	150P10	KB1-150305	HCPK4	C
150	40 x 5	150P10	KB1-150405	HCPK5	D
185	30 x 3	150P10	KB1-185303	HCPK5	D
185	40 x 5	150P10	KB1-185405	HCPK5	D
185	50 x 5	200P10	KB1-185505	HCPK5	D
240	50 x 5	200P10	KB1-240505	HCPK5	D
240	50 x 6	2x150P10	KB1-240506	HCPK5	D
300	50 x 6	2x150P10	KB1-300506	HCPK5	D





KB4 - Kablodan Baraya

KB4 - Cable To Bar

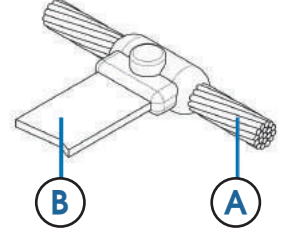


İLETKEN KESİTİ Conductor Size (mm²) A		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
(mm) B					
16	25 x 3	65P10	KB4-16253	HCPK4	C
25	25 x 3	65P10	KB4-25253	HCPK4	C
35	20 x 3	65P10	KB4-35203	HCPK4	C
35	25 x 3	65P10	KB4-35253	HCPK4	C
50	30 x 3	115P10	KB4-50303	HCPK4	C
50	25 x 3	65P10	KB4-50253	HCPK4	C
50	30 x 3,5	115P10	KB4-50303,5	HCPK4	C
Ø8	30 x 3	115P10	KB4-8SC303	HCPK4	C
Ø8	25 x 3	65P10	KB4-8SC253	HCPK4	C
Ø8	30 x 3,5	115P10	KB4-8SC303,5	HCPK4	C
70	25 x 3	90P10	KB4-70253	HCPK4	C
70	30 x 3	115P10	KB4-70303	HCPK4	C
70	25 x 4	90P10	KB4-70254	HCPK4	C
70	30 x 3,5	115P10	KB4-70303,5	HCPK4	C
Ø10	30 x 3	115P10	KB4-10SC303	HCPK4	C
Ø10	30 x 3,5	115P10	KB4-10SC303,5	HCPK4	C
95	30 x 3	115P10	KB4-95303	HCPK4	C
95	30 x 3,5	115P10	KB4-95303,5	HCPK4	C
120	30 x 3	115P10	KB4-120303	HCPK4	C
120	30 x 5	115P10	KB4-120305	HCPK4	C
120	30 x 3,5	115P10	KB4-120303,5	HCPK4	C
150	30 x 3	150P10	KB4-150303	HCPK4	C
150	30 x 5	150P10	KB4-150305	HCPK4	C
150	30 x 3,5	150P10	KB4-150303,5	HCPK4	C
150	40 x 5	115P10	KB4-150405	HCPK5	D
185	30 x 3	150P10	KB4-185303	HCPK5	D
185	40 x 5	150P10	KB4-185405	HCPK5	D
185	50 x 5	150P10	KB4-185505	HCPK5	D
240	50 x 5	200P10	KB4-240505	HCPK5	D
240	50 x 6	250P10	KB4-240506	HCPK5	D
300	50 x 6	2x150P10	KB4-300506	HCPK5	D

KB5 - Kablodan Baraya

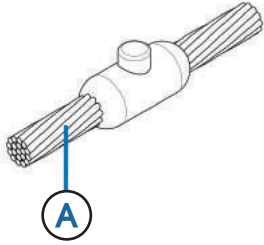
KB5 - Cable To Bar

İLETKEN KESİTİ Conductor Size (mm ²) A B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	25 x 3	65P10	KB5-16253	HCPK4	C
25	25 x 3	65P10	KB5-25253	HCPK4	C
35	25 x 3	65P10	KB5-35253	HCPK4	C
50	25 x 3	65P10	KB5-50253	HCPK4	C
Ø8	25 x 3	65P10	KB5-8SC253	HCPK4	C
70	25 x 3	90P10	KB5-70253	HCPK4	C
70	30 x 3	150P10	KB5-70303	HCPK4	C
70	30 x 3,5	150P10	KB5-70303,5	HCPK4	C
Ø10	25 x 3	115P10	KB5-10SC253	HCPK4	C
95	30 x 3	150P10	KB5-95303	HCPK4	C
95	30 x 3,5	150P10	KB5-95303,5	HCPK4	C
120	25 x 3	150P10	KB5-120253	HCPK4	C
120	30 x 3,5	150P10	KB5-120303,5	HCPK4	C
120	30 x 5	200P10	KB5-120305	HCPK4	C
150	25 x 3	200P10	KB5-150253	HCPK4	C
150	30 x 5	200P10	KB5-150305	HCPK5	D
150	40 x 5	250P10	KB5-150405	HCPK5	D
185	30 x 3	250P10	KB5-185303	HCPK5	D
185	40 x 5	250P10	KB5-185405	HCPK5	D
185	50 x 5	2x150P10	KB5-185505	HCPK5	D
240	50 x 5	2x150P10	KB5-240505	HCPK5	D
240	50 x 6	2x150P10	KB5-240506	HCPK5	D
300	50 x 6	2x150P10	KB5-300506	HCPK5	D



**KK1 - Kabloda Kabloya**

KK1 - Cable To Cable

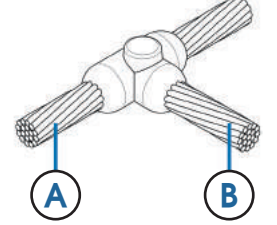


İLETKEN KESİTİ Conductor Size (mm ²) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	45P10	KK1-16	HCPK4	C
25	65P10	KK1-25	HCPK4	C
35	65P10	KK1-35	HCPK4	C
50	65P10	KK1-50	HCPK4	C
Ø8	65P10	KK1-8SC	HCPK4	C
70	90P10	KK1-70	HCPK4	C
Ø10	90P10	KK1-10SC	HCPK4	C
95	90P10	KK1-95	HCPK4	C
120	115P10	KK1-120	HCPK4	C
150	115P10	KK1-150	HCPK4	C
185	150P10	KK1-185	HCPK5	D
240	200P10	KK1-240	HCPK5	D
300	250P10	KK1-300	HCPK5	D
400	2x150P10	KK1-400	HCPK5	D
630	2x150P10	KK1-630	HCPK5	D

KK2 - Kablodan Kabloya

KK2 - Cable To Cable

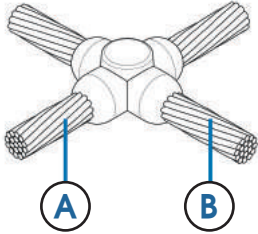
İLETKEN KESİTİ Conductor Size (mm ²) A B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	16	45P10	KK2-1616	HCPK4	C
25	25	65P10	KK2-2525	HCPK4	C
35	35	65P10	KK2-3535	HCPK4	C
35	25	65P10	KK2-3525	HCPK4	C
Ø8	Ø8	90P10	KK2-88SC	HCPK4	C
50	50	90P10	KK2-5050	HCPK4	C
50	35	90P10	KK2-5035	HCPK4	C
50	25	90P10	KK2-5025	HCPK4	C
Ø10	Ø10	115P10	KK2-1010SC	HCPK4	C
70	70	115P10	KK2-7070	HCPK4	C
70	50	115P10	KK2-7050	HCPK4	C
70	35	90P10	KK2-7035	HCPK4	C
70	25	90P10	KK2-7025	HCPK4	C
95	95	115P10	KK2-9595	HCPK4	C
95	70	115P10	KK2-9570	HCPK4	C
95	50	115P10	KK2-9550	HCPK4	C
95	35	90P10	KK2-9535	HCPK4	C
120	120	150P10	KK2-120120	HCPK4	C
120	95	150P10	KK2-12095	HCPK4	C
120	70	115P10	KK2-12070	HCPK4	C
120	50	115P10	KK2-12050	HCPK5	D
150	150	200P10	KK2-150150	HCPK5	D
150	120	200P10	KK2-150120	HCPK5	D
150	95	150P10	KK2-15095	HCPK4	C
150	70	115P10	KK2-15070	HCPK4	C
185	185	250P10	KK2-185185	HCPK5	D
185	150	200P10	KK2-185150	HCPK5	D
185	120	200P10	KK2-185120	HCPK5	D
185	95	200P10	KK2-18595	HCPK5	D
240	240	2x150P10	KK2-240240	HCPK5	D
240	185	200P10	KK2-240185	HCPK5	D
240	150	200P10	KK2-240150	HCPK5	D
240	120	200P10	KK2-240120	HCPK5	D
300	300	2x200P10	KK2-300300	HCPK5	D
300	240	2x200P10	KK2-300240	HCPK5	D
300	185	250P10	KK2-300185	HCPK5	D
630	630	2 x 200P10	KK2-630630	HCPK5	D





KK4 - Kablodan Kabloya

KK4 - Cable To Cable

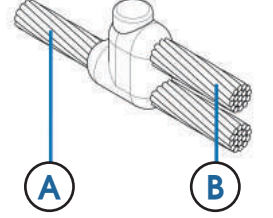


İLETKEN KESİTİ Conductor Size (mm ²) A		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	16	65P10	KK4-1616	HCPK4	C
25	25	65P10	KK4-2525	HCPK4	C
35	35	90P10	KK4-3535	HCPK4	C
35	25	90P10	KK4-3525	HCPK4	C
Ø8	Ø8	90P10	KK4-88SC	HCPK4	C
50	50	115P10	KK4-5050	HCPK4	C
50	35	115P10	KK4-5035	HCPK4	C
50	25	115P10	KK4-5025	HCPK4	C
Ø10	Ø10	150P10	KK4-1010SC	HCPK4	C
70	70	150P10	KK4-7070	HCPK4	C
70	50	150P10	KK4-7050	HCPK4	C
70	35	115P10	KK4-7035	HCPK4	C
70	25	115P10	KK4-7025	HCPK4	C
95	95	200P10	KK4-9595	HCPK4	C
95	70	150P10	KK4-9570	HCPK4	C
95	50	150P10	KK4-9550	HCPK4	C
95	35	150P10	KK4-9535	HCPK4	C
120	120	200P10	KK4-120120	HCPK5	D
120	95	200P10	KK4-12095	HCPK4	C
120	70	150P10	KK4-12070	HCPK4	C
120	50	150P10	KK4-12050	HCPK4	C
150	150	250P10	KK4-150150	HCPK5	D
150	120	250P10	KK4-150120	HCPK5	D
150	95	200P10	KK4-15095	HCPK5	D
150	70	200P10	KK4-15070	HCPK5	D
185	185	2x150P10	KK4-185185	HCPK5	D
185	150	250P10	KK4-185150	HCPK5	D
185	120	250P10	KK4-185120	HCPK5	D
185	95	200P10	KK4-18595	HCPK5	D
185	70	200P10	KK4-18570	HCPK5	D
240	240	2x200P10	KK4-240240	HCPK5	D
240	185	2x200P10	KK4-240185	HCPK5	D
240	150	2x200P10	KK4-240150	HCPK5	D
240	120	2x150P10	KK4-240120	HCPK5	D

KK6 - Kablodan Kabloya

KK6 - Cable To Cable

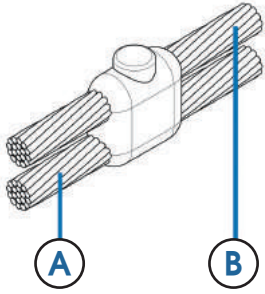
İLETKEN KESİTİ Conductor Size (mm ²) A B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	16	65P10	KK6-1616	HCPK4	C
25	25	65P10	KK6-2525	HCPK4	C
35	35	65P10	KK6-3535	HCPK4	C
35	25	65P10	KK6-3525	HCPK4	C
50	50	90P10	KK6-5050	HCPK4	C
50	35	90P10	KK6-5035	HCPK4	C
50	25	65P10	KK6-5025	HCPK4	C
70	70	115P10	KK6-7070	HCPK4	C
70	50	115P10	KK6-7050	HCPK4	C
70	35	115P10	KK6-7035	HCPK4	C
70	25	90P10	KK6-7025	HCPK4	C
95	95	150P10	KK6-9595	HCPK4	C
95	70	150P10	KK6-9570	HCPK4	C
95	50	115P10	KK6-9550	HCPK4	C
95	35	115P10	KK6-9535	HCPK4	C
120	120	200P10	KK6-120120	HCPK4	C
120	95	200P10	KK6-12095	HCPK4	C
120	70	150P10	KK6-12070	HCPK4	C
120	50	115P10	KK6-12050	HCPK4	C





KK7 - Kablodan Kabloya

KK7 - Cable To Cable

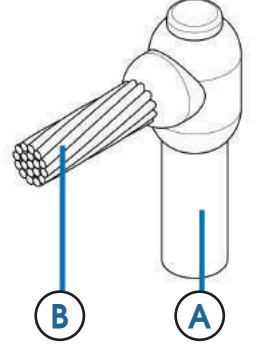


İLETKEN KESİTİ Conductor Size (mm ²) A		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	16	65P10	KK7-1616	HCPK4	C
25	25	65P10	KK7-2525	HCPK4	C
35	35	65P10	KK7-3535	HCPK4	C
35	25	65P10	KK7-3525	HCPK4	C
Ø8	Ø8	115P10	KK7-88SC	HCPK4	C
50	50	115P10	KK7-5050	HCPK4	C
50	35	115P10	KK7-5035	HCPK4	C
50	25	90P10	KK7-5025	HCPK4	C
Ø10	Ø10	115P10	KK7-1010SC	HCPK4	C
70	70	115P10	KK7-7070	HCPK4	C
70	50	115P10	KK7-7050	HCPK4	C
70	35	115P10	KK7-7035	HCPK4	C
70	25	90P10	KK7-7025	HCPK4	C
95	95	150P10	KK7-9595	HCPK4	C
95	70	115P10	KK7-9570	HCPK4	C
95	50	115P10	KK7-9550	HCPK4	C
95	35	115P10	KK7-9535	HCPK4	C
120	120	200P10	KK7-120120	HCPK4	C
120	95	200P10	KK7-12095	HCPK4	C
120	70	150P10	KK7-12070	HCPK4	C
120	50	150P10	KK7-12050	HCPK4	C
150	150	2x150P10	KK7-150150	HCPK5	D
150	120	250P10	KK7-150120	HCPK5	D
150	95	200P10	KK7-15095	HCPK5	D
150	70	150P10	KK7-15070	HCPK5	D
185	185	2x150P10	KK7-185185	HCPK5	D
185	150	2x150P10	KK7-185150	HCPK5	D
185	120	250P10	KK7-185120	HCPK5	D
185	95	200P10	KK7-18595	HCPK5	D
240	240	2x200P10	KK7-240240	HCPK5	D
240	185	2x150P10	KK7-240185	HCPK5	D
240	150	2x150P10	KK7-240150	HCPK5	D
240	120	250P10	KK7-240120	HCPK5	D
300	300	2x250P10	KK7-300300	HCPK5	D
300	240	2x250P10	KK7-300240	HCPK5	D
300	185	2x200P10	KK7-300185	HCPK5	D
300	150	2x150P10	KK7-300150	HCPK5	D

KE1 - Kablodan Topraklama Elektroduna

KE1 – Cable To Earthing Rod

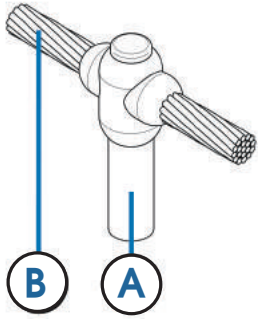
İLETKEN KESİTİ Conductor Size (mm) A (mm ²) B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	16	65P10	KE1-1616	HCPK4	C
16	25	90P10	KE1-1625	HCPK4	C
16	35	90P10	KE1-1635	HCPK4	C
16	50	90P10	KE1-1650	HCPK4	C
16	Ø8	90P10	KE1-168SC	HCPK4	C
16	70	115P10	KE1-1670	HCPK4	C
16	95	115P10	KE1-1695	HCPK4	C
16	120	115P10	KE1-16120	HCPK4	C
16	150	150P10	KE1-16150	HCPK4	C
16	185	150P10	KE1-16185	HCPK5	D
16	240	200P10	KE1-16240	HCPK5	D
18	16	90P10	KE1-1816	HCPK4	C
18	25	90P10	KE1-1825	HCPK4	C
18	35	90P10	KE1-1835	HCPK4	C
18	50	90P10	KE1-1850	HCPK4	C
18	Ø8	90P10	KE1-188SC	HCPK4	C
18	70	115P10	KE1-1870	HCPK4	C
18	95	115P10	KE1-1895	HCPK4	C
18	120	150P10	KE1-18120	HCPK4	C
18	150	200P10	KE1-18150	HCPK4	C
18	185	200P10	KE1-18185	HCPK5	D
18	240	250P10	KE1-18240	HCPK5	D
20	16	90P10	KE1-2016	HCPK4	C
20	25	90P10	KE1-2025	HCPK4	C
20	35	90P10	KE1-2035	HCPK4	C
20	50	115P10	KE1-2050	HCPK4	C
20	Ø8	115P10	KE1-208SC	HCPK4	C
20	70	115P10	KE1-2070	HCPK4	C
20	95	150P10	KE1-2095	HCPK4	C
20	120	150P10	KE1-20120	HCPK4	C
20	150	200P10	KE1-20150	HCPK4	C
20	185	250P10	KE1-20185	HCPK5	D
20	240	250P10	KE1-20240	HCPK5	D
20	300	2x150P10	KE1-20300	HCPK5	D





KE2 - Kablodan Topraklama Elektroduna

KE2 – Cable To Earthing Rod

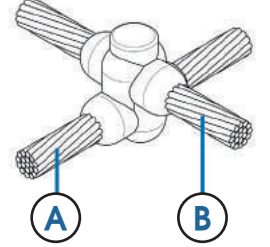


İLETKEN KESİTİ Conductor Size (mm) A (mm²) A		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	16	65P10	KE2-1616	HCPK4	C
16	25	90P10	KE2-1625	HCPK4	C
16	35	90P10	KE2-1635	HCPK4	C
16	50	90P10	KE2-1650	HCPK4	C
16	Ø8	90P10	KE2-168SC	HCPK4	C
16	70	115P10	KE2-1670	HCPK4	C
16	95	115P10	KE2-1695	HCPK4	C
16	120	115P10	KE2-16120	HCPK4	C
16	150	150P10	KE2-16150	HCPK5	D
16	185	150P10	KE2-16185	HCPK5	D
16	240	200P10	KE2-16240	HCPK5	D
18	16	90P10	KE2-1816	HCPK4	C
18	25	90P10	KE2-1825	HCPK4	C
18	35	90P10	KE2-1835	HCPK4	C
18	50	115P10	KE2-1850	HCPK4	C
18	Ø8	115P10	KE2-188SC	HCPK4	C
18	70	115P10	KE2-1870	HCPK4	C
18	95	150P10	KE2-1895	HCPK4	C
18	120	150P10	KE2-18120	HCPK4	C
18	150	200P10	KE2-18150	HCPK5	D
18	185	200P10	KE2-18185	HCPK5	D
18	240	250P10	KE2-18240	HCPK5	D
20	16	90P10	KE2-2016	HCPK4	C
20	25	90P10	KE2-2025	HCPK4	C
20	35	90P10	KE2-2035	HCPK4	C
20	50	115P10	KE2-2050	HCPK4	C
20	Ø8	115P10	KE2-208SC	HCPK4	C
20	70	115P10	KE2-2070	HCPK4	C
20	95	150P10	KE2-2095	HCPK4	C
20	120	150P10	KE2-20120	HCPK4	C
20	150	200P10	KE2-20150	HCPK5	D
20	185	250P10	KE2-20185	HCPK5	D
20	240	250P10	KE2-20240	HCPK5	D
20	300	2x150P10	KE2-20300	HCPK5	D

KK11 - Kablodan Kabloya

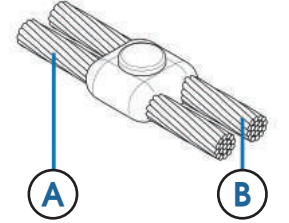
KK11 – Cable To Cable

İLETKEN KESİTİ Conductor Size (mm ²) A B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
50	50	150P10	KK11-5050	HCPK4	C
70	70	200P10	KK11-7070	HCPK4	C
95	95	250P10	KK11-9595	HCPK4	C
120	120	2x150P10	KK11-120120	HCPK5	D
150	150	2x200P10	KK11-150150	HCPK5	D
185	185	2x250P10	KK11-185185	HCPK5	D
240	240	2x250P10	KK11-240240	HCPK5	D
Ø8	Ø8	150P10	KK11-8SC8SC	HCPK4	C
Ø10	Ø10	150P10	KK11-10SC10SC	HCPK4	C

**KK14 - Kablodan Kabloya**

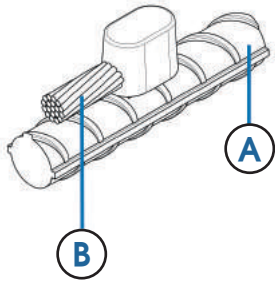
KK14 – Cable To Cable

İLETKEN KESİTİ Conductor Size (mm ²) A B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	16	65P10	KK14-1616	HCPK4	C
25	25	65P10	KK14-2525	HCPK4	C
35	35	65P10	KK14-3535	HCPK4	C
35	25	65P10	KK14-3525	HCPK4	C
Ø8	Ø8	90P10	KK14-88SC	HCPK4	C
50	50	90P10	KK14-5050	HCPK4	C
50	35	90P10	KK14-5035	HCPK4	C
50	25	90P10	KK14-5025	HCPK4	C
70	70	115P10	KK14-7070	HCPK4	C
70	50	115P10	KK14-7050	HCPK4	C
70	35	90P10	KK14-7035	HCPK4	C
70	25	90P10	KK14-7025	HCPK4	C
95	95	150P10	KK14-9595	HCPK4	C
95	70	150P10	KK14-9570	HCPK4	C
95	50	150P10	KK14-9550	HCPK4	C
95	35	115P10	KK14-9535	HCPK4	C
120	120	200P10	KK14-120120	HCPK4	C
120	95	200P10	KK14-12095	HCPK4	C
120	70	200P10	KK14-12070	HCPK4	C
120	50	150P10	KK14-12050	HCPK4	C



**KD1 - Kablodan İnşaat Demirine**

KD1 – Cable To Reinforcement

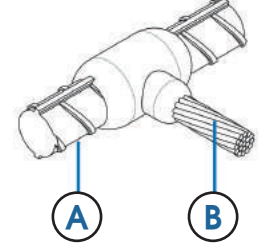


İLETKEN KESİTİ Conductor Size (mm) A		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
20	16	65P10	KD1-16	HCPK3	C
20	25	65P10	KD1-25	HCPK3	C
20	35	65P10	KD1-35	HCPK3	C
20	Ø8	90P10	KD1-8SC	HCPK3	C
20	50	90P10	KD1-50	HCPK3	C
20	Ø10	115P10	KD1-10SC	HCPK3	C
20	70	115P10	KD1-70	HCPK3	C
20	95	115P10	KD1-95	HCPK3	C
20	120	150P10	KD1-120	HCPK3	C

KD2 - Kablodan İnşaat Demirine

KD2 – Cable To Reinforcement

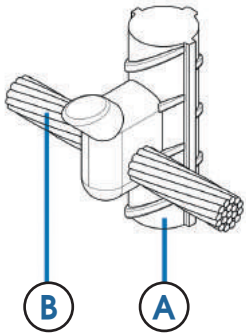
İLETKEN KESİTİ Conductor Size (mm) A (mm²) B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	Ø8	115P10	KD2-16R8SC	HCPK4	C
16	50	115P10	KD2-16R50	HCPK4	C
16	Ø10	115P10	KD2-16R10SC	HCPK4	C
16	70	115P10	KD2-16R70	HCPK4	C
16	95	150P10	KD2-16R95	HCPK4	C
16	120	150P10	KD2-16R120	HCPK4	C
18	Ø8	150P10	KD2-18R8SC	HCPK4	C
18	50	150P10	KD2-18R50	HCPK4	C
18	Ø10	150P10	KD2-18R10SC	HCPK4	C
18	70	150P10	KD2-18R70	HCPK4	C
18	95	150P10	KD2-18R95	HCPK4	C
18	120	200P10	KD2-18R120	HCPK4	C
20	Ø8	150P10	KD2-20R8SC	HCPK5	D
20	50	150P10	KD2-20R50	HCPK5	D
20	Ø10	150P10	KD2-20R10SC	HCPK5	D
20	70	150P10	KD2-20R70	HCPK5	D
20	95	200P10	KD2-20R95	HCPK5	D
20	120	200P10	KD2-20R120	HCPK5	D
25	Ø8	200P10	KD2-25R8SC	HCPK5	D
25	50	200P10	KD2-25R50	HCPK5	D
25	Ø10	250P10	KD2-25R10SC	HCPK5	D
25	70	250P10	KD2-25R70	HCPK5	D
25	95	250P10	KD2-25R95	HCPK5	D
25	120	250P10	KD2-25R120	HCPK5	D
30	Ø8	2x150P10	KD2-30R8SC	HCPK5	D
30	50	2x150P10	KD2-30R50	HCPK5	D
30	Ø10	2x150P10	KD2-30R10SC	HCPK5	D
30	70	2x150P10	KD2-30R70	HCPK5	D
30	95	2x150P10	KD2-30R95	HCPK5	D
30	120	2x200P10	KD2-30R120	HCPK5	D





KD3 - Kablodan İnşaat Demirine

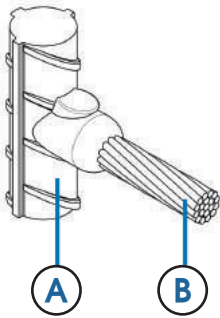
KD3 – Cable To Reinforcement



İLETKEN KESİTİ Conductor Size (mm ²) A B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
10-40	Ø10	90P10	KD3-10SC	HCPK4	C
10-40	Ø8	90P10	KD3-8SC	HCPK4	C
10-40	50	90P10	KD3-50	HCPK4	C
10-40	70	90P10	KD3-70	HCPK4	C
10-40	95	115P10	KD3-95	HCPK4	C
10-40	120	115P10	KD3-120	HCPK4	C

KD6 - Kablodan İnşaat Demirine

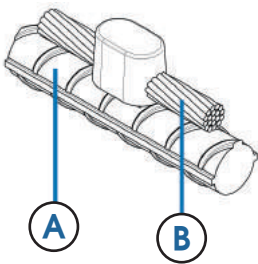
KD6 – Cable To Reinforcement



İLETKEN KESİTİ Conductor Size (mm ²) A B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
10-40	Ø8	65P10	KD6-8SC	HCPK4	C
10-40	50	65P10	KD6-50	HCPK4	C
10-40	Ø10	90P10	KD6-10SC	HCPK4	C
10-40	70	90P10	KD6-70	HCPK4	C
10-40	95	90P10	KD6-95	HCPK4	C
10-40	120	90P10	KD6-120	HCPK4	C

KD17 - Kablodan İnşaat Demirine

KD17 – Cable To Reinforcement

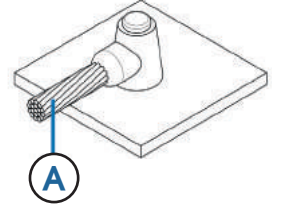


İLETKEN KESİTİ Conductor Size (mm ²) A B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
20	16	65P10	KD17-16	HCPK4	C
20	25	65P10	KD17-25	HCPK4	C
20	35	65P10	KD17-35	HCPK4	C
20	Ø8	90P10	KD17-8SC	HCPK4	C
20	50	90P10	KD17-50	HCPK4	C
20	Ø10	115P10	KD17-10SC	HCPK4	C
20	70	115P10	KD17-70	HCPK4	C
20	95	115P10	KD17-95	HCPK4	C
20	120	150P10	KD17-120	HCPK4	C

KY1 - Kablodan Çelik Yüzeye Veya Boruya

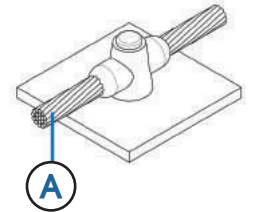
KY1 – Cable To Steel Surface Or Pipe

İLETKEN KESİTİ Conductor Size (mm ²) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	45P10	KY1-16	HCPK1	C
25	45P10	KY1-25	HCPK1	C
35	45P10	KY1-35	HCPK1	C
Ø8	90P10	KY1-8SC	HCPK1	C
50	90P10	KY1-50	HCPK1	C
Ø10	90P10	KY1-10SC	HCPK1	C
70	90P10	KY1-70	HCPK1	C
95	115P10	KY1-95	HCPK1	C
120	115P10	KY1-120	HCPK1	C
150	150P10	KY1-150	HCPK1	C
185	200P10	KY1-185	HCPK1	C
240	200P10	KY1-240	HCPK1	C
300	250P10	KY1-300	HCPK1	C

**KY2 - Kablodan Çelik Yüzeye Veya Boruya**

KY2 – Cable To Steel Surface Or Pipe

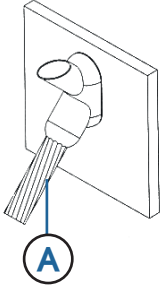
İLETKEN KESİTİ Conductor Size (mm ²) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	45P10	KY2-16	HCPK4	C
25	45P10	KY2-25	HCPK4	C
35	45P10	KY2-35	HCPK4	C
Ø8	90P10	KY2-8SC	HCPK4	C
50	90P10	KY2-50	HCPK4	C
Ø10	115P10	KY2-10SC	HCPK4	C
70	115P10	KY2-70	HCPK4	C
95	115P10	KY2-95	HCPK4	C
120	150P10	KY2-120	HCPK4	C
150	200P10	KY2-150	HCPK5	D
185	250P10	KY2-185	HCPK5	D
240	2x150P10	KY2-240	HCPK5	D
300	2x200P10	KY2-300	HCPK5	D





KY3 - Kablodan Çelik Yüzeye Veya Boruya

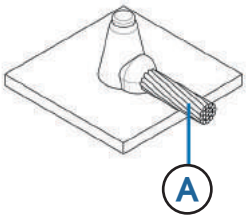
KY3 – Cable To Steel Surface Or Pipe



İLETKEN KESİTİ Conductor Size (mm ²) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	45P10	KY3-16	HCPK4	C
25	45P10	KY3-25	HCPK4	C
35	45P10	KY3-35	HCPK4	C
Ø8	65P10	KY3-8SC	HCPK4	C
50	65P10	KY3-50	HCPK4	C
Ø10	90P10	KY3-10SC	HCPK4	C
70	90P10	KY3-70	HCPK4	C
95	115P10	KY3-95	HCPK4	C
120	115P10	KY3-120	HCPK4	C
150	115P10	KY3-150	HCPK5	D
185	200P10	KY3-185	HCPK5	D
240	200P10	KY3-240	HCPK5	D
300	250P10	KY3-300	HCPK5	D

KY8 - Kablodan Çelik Yüzeye Veya Boruya

KY8 – Cable To Steel Surface Or Pipe

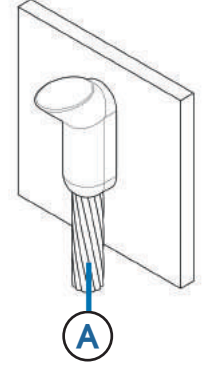


İLETKEN KESİTİ Conductor Size (mm ²) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	45P10	KY8-16	HCPK4	A
25	45P10	KY8-25	HCPK4	A
35	45P10	KY8-35	HCPK4	A
Ø8	45P10	KY8-8SC	HCPK4	A
50	45P10	KY8-50	HCPK4	A
Ø10	65P10	KY8-10SC	HCPK4	A
70	65P10	KY8-70	HCPK4	A
95	90P10	KY8-95	HCPK4	A
120	115P10	KY8-120	HCPK4	A
150	150P10	KY8-150	HCPK5	D
185	200P10	KY8-185	HCPK5	D
240	200P10	KY8-240	HCPK5	D
300	250P10	KY8-300	HCPK5	D

KY25 - Kablodan Çelik Yüzeye Veya Boruya

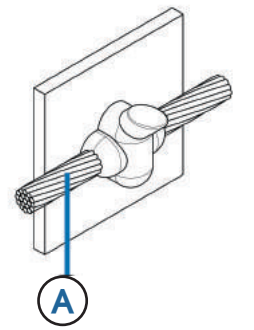
KY25 – Cable To Steel Surface Or Pipe

İLETKEN KESİTİ Conductor Size (mm ²) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	45P10	KY25-16	HCPK4	C
25	45P10	KY25-25	HCPK4	C
35	45P10	KY25-35	HCPK4	C
Ø8	65P10	KY25-8SC	HCPK4	C
50	65P10	KY25-50	HCPK4	C
Ø10	90P10	KY25-10SC	HCPK4	C
70	90P10	KY25-70	HCPK4	C
95	115P10	KY25-95	HCPK4	C
120	115P10	KY25-120	HCPK4	C
150	150P10	KY25-150	HCPK5	D
185	200P10	KY25-185	HCPK5	D
240	200P10	KY25-240	HCPK5	D
300	250P10	KY25-300	HCPK5	D

**KY27 - Kablodan Çelik Yüzeye Veya Boruya**

KY27 – Cable To Steel Surface Or Pipe

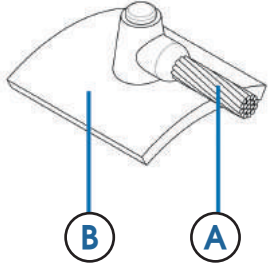
İLETKEN KESİTİ Conductor Size (mm ²) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	45P10	KY27-16	HCPK4	C
25	45P10	KY27-25	HCPK4	C
35	45P10	KY27-35	HCPK4	C
Ø8	65P10	KY27-8SC	HCPK4	C
50	65P10	KY27-50	HCPK4	C
Ø10	115P10	KY27-10SC	HCPK4	C
70	115P10	KY27-70	HCPK4	C
95	150P10	KY27-95	HCPK4	C
120	150P10	KY27-120	HCPK4	C
150	200P10	KY27-150	HCPK5	D
185	250P10	KY27-185	HCPK5	D
240	2x150P10	KY27-240	HCPK5	D
300	2x200P10	KY27-300	HCPK5	D





KY32 - Kablodan Çelik Yüzeye Veya Boruya

KY32 – Cable To Steel Surface Or Pipe

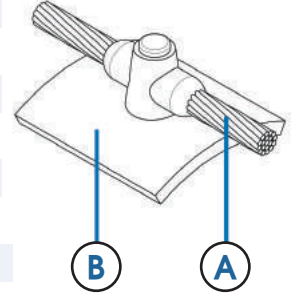


İLETKEN KESİTİ Conductor Size (mm ²) A B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
4	<125	15P10	KY32-4-A	HCPK4	C
4	>125	15P10	KY32-4-B	HCPK4	C
6	<125	15P10	KY32-6-A	HCPK4	C
6	>125	15P10	KY32-6-B	HCPK4	C
10	<125	25P10	KY32-10-A	HCPK4	C
10	>125	25P10	KY32-10-B	HCPK4	C
16	<125	45P10	KY32-16-A	HCPK4	C
16	>125	45P10	KY32-16-B	HCPK4	C
25	<70	25P10	KY32-25-C	HCPK4	C
25	70-165	25P10	KY32-25-D	HCPK4	C
25	>165	25P10	KY32-25-E	HCPK4	C
35	<70	45P10	KY32-35-C	HCPK4	C
35	70-165	45P10	KY32-35-D	HCPK4	C
35	165-250	45P10	KY32-35-F	HCPK4	C
35	>250	45P10	KY32-35-G	HCPK4	C
50	<70	45P10	KY32-50-C	HCPK4	C
50	70-165	45P10	KY32-50-D	HCPK4	C
50	165-250	45P10	KY32-50-F	HCPK4	C
50	>250	45P10	KY32-50-G	HCPK4	C
70	<70	65P10	KY32-70-C	HCPK4	C
70	70-165	65P10	KY32-70-D	HCPK4	C
70	165-250	65P10	KY32-70-F	HCPK4	C
70	>250	65P10	KY32-70-G	HCPK4	C

KY34 - Kablodan Çelik Yüzeye Veya Boruya

KY34 – Cable To Steel Surface Or Pipe

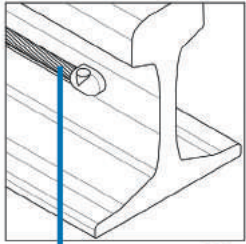
İLETKEN KESİTİ Conductor Size (mm ²) A B		KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
4	<125	15P10	KY34-4-A	HCPK4	C
4	>125	15P10	KY34-4-B	HCPK4	C
6	<125	15P10	KY34-6-A	HCPK4	C
6	>125	15P10	KY34-6-B	HCPK4	C
10	<125	32P10	KY34-10-A	HCPK4	C
10	>125	32P10	KY34-10-B	HCPK4	C
16	<125	45P10	KY34-16-A	HCPK4	C
16	>125	45P10	KY34-16-B	HCPK4	C
25	<70	32P10	KY34-25-C	HCPK4	C
25	70-165	32P10	KY34-25-D	HCPK4	C
25	>165	32P10	KY34-25-E	HCPK4	C
35	<70	45P10	KY34-35-C	HCPK4	C
35	70-165	45P10	KY34-35-D	HCPK4	C
35	165-250	45P10	KY34-35-F	HCPK4	C
35	>250	45P10	KY34-35-G	HCPK4	C
50	<70	65P10	KY34-50-C	HCPK4	C
50	70-165	65P10	KY34-50-D	HCPK4	C
50	165-250	65P10	KY34-50-F	HCPK4	C
50	>250	65P10	KY34-50-G	HCPK4	C





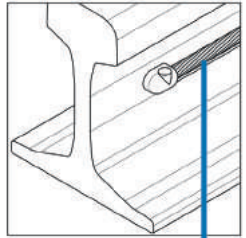
R4L / R4R – Kablodan Raya

R4L / R4R – Cable To Rail



R4L

A



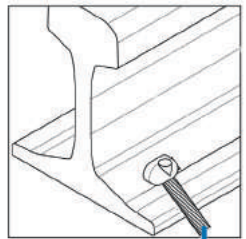
R4R

B

İLETKEN KESİTİ Conductor Size (mm ²) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	45P10	R4L-16	HCPK1	C
16	45P10	R4R-16	HCPK1	C
25	45P10	R4L-25	HCPK1	C
25	45P10	R4R-25	HCPK1	C
35	45P10	R4L-35	HCPK1	C
35	45P10	R4R-35	HCPK1	C
50	65P10	R4L-50	HCPK1	C
50	75P10	R4R-50	HCPK1	C
70	75P10	R4L-70	HCPK1	C
70	75P10	R4R-70	HCPK1	C
95	75P10	R4L-95	HCPK1	C
95	115P10	R4R-95	HCPK1	C
120	115P10	R4L-120	HCPK1	C
120	115P10	R4R-120	HCPK1	C
150	150P10	R4L-150	HCPK1	C
150	150P10	R4R-150	HCPK1	C

R5 – Kablodan Raya

R5 – Cable To Rail



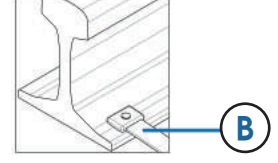
A

İLETKEN KESİTİ Conductor Size (mm ²) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
16	25P10	R5-16	HCPK1	C
25	25P10	R5-25	HCPK1	C
35	32P10	R5-35	HCPK1	C
50	45P10	R5-50	HCPK1	C
70	65P10	R5-70	HCPK1	C
95	65P10	R5-95	HCPK1	C
120	90P10	R5-120	HCPK1	C
150	115P10	R5-150	HCPK1	C

R6 – Baradan Raya

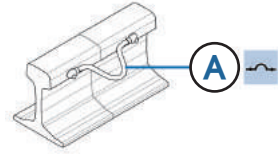
R6 – Bar To Rail

İLETKEN KESİTİ Conductor Size (mm) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
25 x 3	65P10	R6-3-253	HCPK1	C

**R12 – Kablodan Raya**

R12 – Cable To Rail

İLETKEN KESİTİ Conductor Size (mm ²) A	KAYNAK TOZU Welding Powder (gr)	POTA Mould	POTA PENSESİ Handle Clamp	POTA TİPİ Mould Type
25	32P10	R12-25	HCPK4	C
35	32P10	R12-35	HCPK4	C
50	45P10	R12-50	HCPK4	C
70	65P10	R12-70	HCPK4	C
95	75P10	R12-95	HCPK4	C
120	115P10	R12-120	HCPK4	C





Kaynak Tozu (Amperweld)

Welding Powder (Amperweld)



ÜRÜN KODU Product Code	MATERYAL Material	TOZ GRAMAJI Powder Weight (gr)	KUTU ADETİ Box Quantity	KUTU AĞIRLIĞI Box Weight
AE 46364	Bakır Alaşımı - Copper Alloy	65	20	1,70
AE 46365	Bakır Alaşımı - Copper Alloy	90	20	2,20
AE 46366	Bakır Alaşımı - Copper Alloy	115	20	2,70
AE 46367	Bakır Alaşımı - Copper Alloy	150	10	1,81
AE 46368	Bakır Alaşımı - Copper Alloy	200	10	2,25
AE 46369	Bakır Alaşımı - Copper Alloy	250	10	2,78

Kaynak Tozu (Forweld)

Welding Powder (Forweld)



ÜRÜN KODU Product Code	MATERYAL Material	TOZ GRAMAJI Powder Weight (gr)	KUTU ADETİ Box Quantity	KUTU AĞIRLIĞI Box Weight
AE 46355	Bakır Alaşımı - Copper Alloy	65	20	1,72
AE 46356	Bakır Alaşımı - Copper Alloy	90	20	2,22
AE 46357	Bakır Alaşımı - Copper Alloy	115	20	2,76
AE 46358	Bakır Alaşımı - Copper Alloy	150	10	1,79
AE 46359	Bakır Alaşımı - Copper Alloy	200	10	2,28
AE 46360	Bakır Alaşımı - Copper Alloy	250	10	2,79

Kaynak Potası

Welding Mould



ÜRÜN KODU Product Code	MATERYAL Material	KUTU ADETİ Box Quantity	EBAT Size (mm)	AĞIRLIK Weight (kg)
AE 46703	Grafit - Graphite	1	150 x 75 x 75	1,63
AE 46704	Grafit - Graphite	1	175 x 100 x 100	2,25

Pota Çakmağı (Klasik)

Flint Gun (Classic)

ÜRÜN KODU Product Code	MATERYAL Material	KUTU ADETİ Box Quantity	AĞIRLIK Weight (kg)
AE 46760		1	0,09

**Pota Çakmağı (Elektronik)**

Flint Gun (Electronic)

ÜRÜN KODU Product Code	MATERYAL Material	KUTU ADETİ Box Quantity	AĞIRLIK Weight (kg)
AE 46767	Elektronik Çakmak - Electronic Igniter	1	0,18
AE 46454	Kaynak Elektrodu - Welding Fuse	100	0,36

**Pota Macunu**

Mould Sealer

ÜRÜN KODU Product Code	KUTU ADETİ Box Quantity	AĞIRLIK Weight (kg)
AE 46770	1	1,01



**Korozyon Bandı**
Corrosion Tape Strip

ÜRÜN KODU Product Code	EBAT Size (mm)	AĞIRLIK Weight (kg)
AE 46772	0,5 x 1000	1

Pota Pensesi
Mould Handle Clamp

ÜRÜN KODU Product Code	TİP Type	KUTU ADETİ Box Quantity	AĞIRLIK Weight (kg)
AE 46801	HCPK5 - L159	1	1,13
AE 46803	HCPK4 - L160	1	1,10
AE 46805	HCPK1 - L161	1	0,48

Pota Kazıyıcı

Mould Cleaning Scraper

ÜRÜN KODU Product Code	MATERYAL Material	KUTU ADETİ Box Quantity	AĞIRLIK Weight (kg)
AE 46845	Galvanizli Demir - Galvanized Iron	1	0,08

**Temizleme Fırçası**

Cleaning Brush

ÜRÜN KODU Product Code	TİP Type	KUTU ADETİ Box Quantity	AĞIRLIK Weight (kg)
AE 46880	İletken temizleyici - Conductor cleaning brush	1	0,10
AE 46890	Pota temizleyici - Mould cleaning brush	1	0,02

