



Teknik Bilgiler / Technical Data

Standart: EN 50525-2-31

Standard: EN 50525-2-31

Yapı / Structure

İletken : İnce telli bakır iletkenler

Conductor: Finely stranded copper conductor

İzole PVC Bileşeni : TI 1

Insulation PVC compound: TI 1

Maksimum Çalışma Sıcaklığı: 70°C

Max Operating Temperature: 70°C

Anma Gerilimi: 300/500 V - 450/750 V

Operating Voltage: 300/500 V - 450/750 V

Test Voltajı: 2000/2500 V

Test Voltage: 2000/2500 V

Kullanıldığı Yer / Application

Mekanik zorlamaların bulunduğu kapalı ve kuru yerlerde, ev aletlerinde, buharlı ve rutubetli yerlerde kullanılırlar.

Used in covered and dry places where the mechanical stresses exist, on household appliances, in damp and steamed areas.

Teknik Özellikler / Technical Specifications

Kablo Tipi	Kesit Alanı	Dış Çapı	Maksimum Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)
Cable Type	Rated Cross Section	Overall Diameter	Max Current Carrying Capacity		Conductor Max DC Resistance (20°C)
	(mm ²)	(mm)	Havada / In air (A)	Toprakta / In ground (A)	(Ω/km)
H05V-K	0,50	2,10 - 2,50	12	-	39,00
H05V-K	0,75	2,20 - 2,70	15	-	26,00
H05V-K	1,00	2,40 - 2,80	19	-	19,50
H07V-K	1,50	2,80 - 3,40	24	15	13,30
H07V-K	2,50	3,40 - 4,10	32	19	7,98
H07V-K	4,00	3,90 - 4,80	42	25	4,95

Not: Arzu edilen renklerde de imal edilebilirler. Beyaz, kırmızı, yeşil, kahve, mavi, sarı, sarı-yeşil.

Note: They can be manufactured in any desired colour.

White, red, green, black, brown, blue, yellow, yellow-green.



Teknik Bilgiler / Technical Data

Standart: EN 50525-2-31

Standard: EN 50525-2-31

Yapı / Structure

İletken : İnce telli bakır iletkenler

Conductor: Finely stranded copper conductor

İzole PVC Bileşeni : TI 3

Insulation PVC compound: TI 3

Maksimum Çalışma Sıcaklığı: 90°C

Max Operating Temperature: 90°C

Anma Gerilimi: 300/500 V - 450/750 V

Operating Voltage: 300/500 V - 450/750 V

Test Voltajı: 2000/2500 V

Test Voltage: 2000/2500 V

Kullanıldığı Yer / Application

Mekanik zorlamaların bulunduğu kapalı ve kuru yerlerde, ev aletlerinde, buharlı ve rutubetli yerlerde kullanılırlar.

Used in covered and dry places where the mechanical stresses exist, on household appliances, in damp and steamed areas.

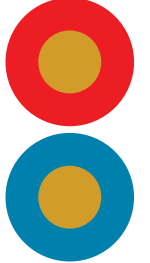
Teknik Özellikler / Technical Specifications

Kablo Tipi	Kesit Alanı	Dış Çapı	Maksimum Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)
Cable Type	Rated Cross Section	Overall Diameter	Max Current Carrying Capacity		Conductor Max DC Resistance (20°C)
	(mm ²)	(mm)	Havada / In air (A)	Toprakta / In ground (A)	(Ω/km)
H05V2-K	0,50	2,10 - 2,50	12	-	39,00
H05V2-K	0,75	2,20 - 2,70	15	-	26,00
H05V2-K	1,00	2,40 - 2,80	19	-	19,50
H07V2-K	1,50	2,80 - 3,40	24	15	13,30
H07V2-K	2,50	3,40 - 4,10	32	19	7,98
H07V2-K	4,00	3,90 - 4,80	42	25	4,95

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Teknik Bilgiler / Technical Data

Standart: EN 50525-2-31

Standard: EN 50525-2-31

Yapı / Structure

İletken : Tek (Som) bakır iletken

Conductor: Solid copper conductor

İzole PVC Bileşeni : TI 1

Insulation PVC compound: TI 1

Maksimum Çalışma Sıcaklığı: 70°C

Max Operating Temperature: 70°C

Anma Gerilimi: 300/500 V - 450/750 V

Operating Voltage: 300/500 V - 450/750 V

Test Voltajı: 2000/2500 V

Test Voltage: 2000/2500 V

Kullanıldığı Yer / Application

Kapalı, kuru yerlerde, sabit tesislerde, dağıtım panolarında, sıva altı ve sıva üstünde boru içinde ve kroşeler üzerinde kullanılır.

Used in covered, dry places, in fixed plants, in distributions panels, on and under plaster as laid in conduit and on insulating supports above plaster.

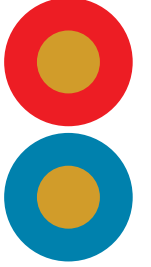
Teknik Özellikler / Technical Specifications

Kablo Tipi	Kesit Alanı	Dış Çapı	Maksimum Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)
Cable Type	Rated Cross Section	Overall Diameter	Max Current Carrying Capacity		Conductor Max DC Resistance (20°C)
	(mm ²)	(mm)	Havada / In air (A)	Toprakta / In ground (A)	(Ω/km)
H05V-U	0,50	1,90 - 2,30	10	-	36,00
H05V-U	0,75	2,10 - 2,50	15	-	24,50
H05V-U	1,00	2,20 - 2,70	19	-	18,10
H07V-U	1,50	2,60 - 3,20	24	15	12,10
H07V-U	2,50	3,20 - 3,90	32	19	7,41
H07V-U	4,00	3,60 - 4,40	42	25	4,61

Not: Arzu edilen renklerde de imal edilebilirler. Beyaz, kırmızı, yeşil, kahve, mavi, sarı, sarı-yeşil.

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Teknik Bilgiler / Technical Data

Standart: EN 50525-2-31

Standard: EN 50525-2-31

Yapı / Structure

İletken : Tek (Som) bakır iletken

Conductor: Solid copper conductor

İzole PVC Bileşeni : TI 3

Insulation PVC compound: TI 3

Maksimum Çalışma Sıcaklığı: 90°C

Max Operating Temperature: 90°C

Anma Gerilimi: 300/500 V - 450/750 V

Operating Voltage: 300/500 V - 450/750 V

Test Voltajı: 2000/2500 V

Test Voltage: 2000/2500 V

Kullanıldığı Yer / Application

Kapalı, kuru yerlerde, sabit tesislerde, dağıtım panolarında, sıva altı ve sıva üstünde boru içinde ve kroşeler üzerinde kullanılır.

Used in covered, dry places, in fixed plants, in distributions panels, on and under plaster as laid in conduit and on insulating supports above plaster.

Teknik Özellikler / Technical Specifications

Kablo Tipi	Kesit Alanı	Dış Çapı	Maksimum Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)
Cable Type	Rated Cross Section	Overall Diameter	Max Current Carrying Capacity		Conductor Max DC Resistance (20°C)
	(mm ²)	(mm)	Havada / In air (A)	Toprakta / In ground (A)	(Ω/km)
H05V2-U	0,50	1,90 - 2,30	10	-	36,00
H05V2-U	0,75	2,10 - 2,50	15	-	24,50
H05V2-U	1,00	2,20 - 2,70	19	-	18,10
H07V2-U	1,50	2,60 - 3,20	24	15	12,10
H07V2-U	2,50	3,20 - 3,90	32	19	7,41
H07V2-U	4,00	3,60 - 4,40	42	25	4,61

Not: Arzu edilen renklerde de imal edilebilirler. Beyaz, kırmızı, yeşil, kahve, mavi, sarı, sarı-yeşil.

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Teknik Bilgiler / Technical Data

Standart: TS EN 60684-3

Standard: TS EN 60684-3

Yapı / Structure

İzole PVC Bileşeni : TI 1

Insulation PVC compound: TI 1

Maksimum Çalışma Sıcaklığı: 70°C

Max operating temperature: 70°C

Malzeme Sertliği (Shore A): 65 +3/-3

Material Hardness (Shore A): 65 +3/-3

Teknik Özellikler / Technical Specifications

Anma İç Çapı		İnce et kalınlığı		Standart Et Kalınlığı		Kalın et kalınlığı	
Inner Diameter		Thin-walled Thickness		Standard Wall Thickness		Thick-walled Thickness (mm)	
Nominal (mm)	Tolerans / Tolerance ±	Nominal (mm)	Tolerans / Tolerance ±	Nominal (mm)	Tolerans / Tolerance ±	Nominal (mm)	Tolerans / Tolerance ±
3	0,15	0,3	0,1	0,4	0,1	0,5	0,10
4	0,25	0,3	0,1	0,5	0,1	0,6	0,10
5	0,25	0,3	0,1	0,5	0,1	0,6	0,10
6	0,25	0,3	0,1	0,5	0,1	0,6	0,10
7	0,25	0,3	0,1	0,5	0,1	0,6	0,10
8	0,25	0,5	0,1	0,7	0,1	0,8	0,15
9	0,25	0,5	0,1	0,7	0,1	0,8	0,15
10	0,50	0,5	0,1	0,7	0,1	0,8	0,15

Not: Arzu edilen renklerde de imal edilebilirler. Beyaz, kırmızı, yeşil, kahve, mavi, sarı, sarı-yeşil.

Note: They can be manufactured in any desired colour.
White, red, green, black, brown, blue, yellow, yellow-green.

Zertifikat Certificate		TÜVRheinland	
Zertifikat Nr. Certificate No. R 60079993	Blatt Page 0001		
Ihr Zeichen Client Reference 0001-- 27111814 001	Unser Zeichen Our Reference 06.11.2012	Ausstellungsdatum Date of Issue (day/month)	
Genehmigungsinhaber License Holder TES ELEKTRİK BAĞLANTI ELEMANLARI SAN. VE TİC. LTD. ŞTİ. GİŞELER MEVKİİ HADIMKÖY YOLU ÜZERİ 6.BÖLGE 16.CAD. NO:205 K:1 BÜYÜKÇEKİRCE / İSTANBUL Türkiye		Fertigungsstätte Manufacturing Plant TES ELEKTRİK BAĞLANTI ELEMANLARI SAN. VE TİC. LTD. ŞTİ. GİŞELER MEVKİİ HADIMKÖY YOLU ÜZERİ 6.BÖLGE 16.CAD. NO:205 K:1 BÜYÜKÇEKİRCE / İSTANBUL Türkiye	
Prüfzeichen Test Mark 		Geprüft nach Testet acc. to EN 50525-2-31:2011	
Zertifiziertes Produkt (Certification) Cable (Cables for internal wiring)		Lizenzgebühr - Einheit License Fee - Unit	
Type designation: H03V-C H03V-E		5 1	
Cross section: 0,5mm², 0,75mm², 1,0mm²			
Rated voltage: Uo/U: 300/500V			
Trademark: TES ELEKTRİK			
		6	
Das Zertifikat liegt einem Prüf- und Zertifizierungsantrag zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfverfahren. Zusätzliche Anforderungen an Kunden, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich beachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht. This certificate is based on our Testing and Certification Regulations and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements to customer where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance. TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg Tel.: +49 221 806-1711 Fax: +49 221 806-1710 Email: cert@tuev-rheinland.com Web: www.tuev-rheinland.com Zertifizierungsstelle  Dipl.-Ing. H. Schmide			

Zertifikat Certificate		TÜVRheinland	
Zertifikat Nr. Certificate No. R 60079995	Blatt Page 0001		
Ihr Zeichen Client Reference 0001-- 27111816 001	Unser Zeichen Our Reference 06.11.2012	Ausstellungsdatum Date of Issue (day/month)	
Genehmigungsinhaber License Holder TES ELEKTRİK BAĞLANTI ELEMANLARI SAN. VE TİC. LTD. ŞTİ. GİŞELER MEVKİİ HADIMKÖY YOLU ÜZERİ 6.BÖLGE 16.CAD. NO:205 K:1 BÜYÜKÇEKİRCE / İSTANBUL Türkiye		Fertigungsstätte Manufacturing Plant TES ELEKTRİK BAĞLANTI ELEMANLARI SAN. VE TİC. LTD. ŞTİ. GİŞELER MEVKİİ HADIMKÖY YOLU ÜZERİ 6.BÖLGE 16.CAD. NO:205 K:1 BÜYÜKÇEKİRCE / İSTANBUL Türkiye	
Prüfzeichen Test Mark 		Geprüft nach Testet acc. to EN 50525-2-31:2011	
Zertifiziertes Produkt (Certification) Cable (Cables for internal wiring)		Lizenzgebühr - Einheit License Fee - Unit	
Type designation: H03V-C H03V-E		5 1	
Cross section: 0,5mm², 0,75mm², 1,0mm²			
Rated voltage: Uo/U: 300/500V			
Trademark: TES ELEKTRİK			
		6	
Das Zertifikat liegt einem Prüf- und Zertifizierungsantrag zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfverfahren. Zusätzliche Anforderungen an Kunden, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich beachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht. This certificate is based on our Testing and Certification Regulations and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements to customer where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance. TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg Tel.: +49 221 806-1711 Fax: +49 221 806-1710 Email: cert@tuev-rheinland.com Web: www.tuev-rheinland.com Zertifizierungsstelle  Dipl.-Ing. H. Schmide			

Zertifikat Certificate		TÜVRheinland	
Zertifikat Nr. Certificate No. R 60079994	Blatt Page 0001		
Ihr Zeichen Client Reference 0001-- 27111815 001	Unser Zeichen Our Reference 06.11.2012	Ausstellungsdatum Date of Issue (day/month)	
Genehmigungsinhaber License Holder TES ELEKTRİK BAĞLANTI ELEMANLARI SAN. VE TİC. LTD. ŞTİ. GİŞELER MEVKİİ HADIMKÖY YOLU ÜZERİ 6.BÖLGE 16.CAD. NO:205 K:1 BÜYÜKÇEKİRCE / İSTANBUL Türkiye		Fertigungsstätte Manufacturing Plant TES ELEKTRİK BAĞLANTI ELEMANLARI SAN. VE TİC. LTD. ŞTİ. GİŞELER MEVKİİ HADIMKÖY YOLU ÜZERİ 6.BÖLGE 16.CAD. NO:205 K:1 BÜYÜKÇEKİRCE / İSTANBUL Türkiye	
Prüfzeichen Test Mark 		Geprüft nach Testet acc. to EN 50525-2-31:2011	
Zertifiziertes Produkt (Certification) Cable (Cables for internal wiring)		Lizenzgebühr - Einheit License Fee - Unit	
Type designation: H03V-E		5	
Cross section: 1,5mm², 2,5mm², 4,0mm²			
Rated voltage: Uo/U: 300/700V			
Trademark: TES ELEKTRİK			
		5	
Das Zertifikat liegt einem Prüf- und Zertifizierungsantrag zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfverfahren. Zusätzliche Anforderungen an Kunden, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich beachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht. This certificate is based on our Testing and Certification Regulations and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements to customer where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance. TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg Tel.: +49 221 806-1711 Fax: +49 221 806-1710 Email: cert@tuev-rheinland.com Web: www.tuev-rheinland.com Zertifizierungsstelle  Dipl.-Ing. H. Schmide			

CERTIFICATE		TUV NORD	
Management system as per ISO 9001 : 2008			
In accordance with TÜV NORD CERT procedures, it is hereby certified that:			
 TES Elektrik Bağlantı Elemanları San. ve Tic. Ltd. Şti. Gışeler Mevkii, Hadımköy Yolu, 6. Bölge, 16. Cad., No 205, Kat. 1, Hadımköy, İstanbul, Turkey			
applies a management system in line with the above standard for the following scope:			
Production of cable and wire harness			
GM Element 7.3 excluded (Product design)			
Certificate Registration No. 44 100 08348 Audit Report No. TR 693		Valid from 2017-04-01 Valid until 2018-06-14 TÜV NORD CERT is a member of the TUV Group Initial certification 2009	
 at TÜV NORD CERT 2009		Istanbul, 2017-04-01	
This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.			
TÜV NORD CERT GmbH		Langenscheidt 20 46141 Essen www.tuev-nord-cert.com	
			

