

# AIRPORT CABLES



MAK AERODROME  
CERTIFIED



FAA CERTIFIED



### Type Approval Certificate

This is to certify that the underlined product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

**PRODUCER** UNTEL KABLOLARI SANAYI VE TICARET A.S.

**PLACE OF PRODUCTION** Makine Organize Sanayi Bölgesi,  
A Caddesi No:4,  
41405, Dilovani / Kocaeli  
Turkey

**DESCRIPTION** Single core, primary cable for airport lighting

**TYPE** RIV

**APPLICATION** Industrial installations

**STANDARD** UNE 2101

**RATINGS**

Number of cores	Cross section, mm <sup>2</sup>	Rated voltage (kV)
1	6	3

**OPERATIONAL LIMITATIONS** Maximum electrical conductor temperature: 90°C

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

**Certificate No.** 17/00

**Issue Date** 05 April 2017

**Expiry Date** 04 April 2022

**Sheet** 1 of 2

Peter Huntley-Hawkins  
Southampton Technical Support Office  
Lloyd's Register EMEA

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS

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**PLACE OF PRODUCTION** Makine Organize Sanayi Bölgesi,  
A Caddesi No:4,  
41405, Dilovani / Kocaeli  
Turkey

**DESCRIPTION** Single core, primary cable for airport lighting

**TYPE** RIG21

**APPLICATION** Industrial installations

**STANDARD** UNE 2101

**RATINGS**

Number of cores	Cross section, mm <sup>2</sup>	Rated voltage, kV
1	6	3

**OPERATIONAL LIMITATIONS** Maximum electrical conductor temperature: 90°C

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

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**PLACE OF PRODUCTION** Makine Organize Sanayi Bölgesi,  
A Caddesi No:4,  
41405, Dilovani / Kocaeli  
Turkey

**DESCRIPTION** Single-core secondary airport lighting cable (0.8 kV)

**TYPE** RV-K

**APPLICATION** Industrial installations

**STANDARD** UNE 2125-2

**RATINGS**

Number of cores	Cross section, mm <sup>2</sup>	Rated voltage, kV
1	2.5	0.8
1	4	0.8

**OPERATIONAL LIMITATIONS** Maximum electrical conductor temperature: 90°C

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The Design Approval Document No T500026 and its supplementary Type Approval Terms and Conditions form part of this Certificate

**Certificate No.** 17/0006

**Issue Date** 28 June 2017

**Expiry Date** 27 June 2022

**Sheet** 1 of 1



Andrew Petric  
Southampton Technical Support Office  
Lloyd's Register EMEA

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS

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Havaalanı Pist Aydınlatma Kabloları  
400 Hz Uçak Güç Ve Kontrol Kabloları  
Airport Ground Lighting Cables  
400 Hz Airplane Power And Control Cables



**Intertek**

PROGRAM ADMINISTRATOR  
DEPARTMENT ALECP  
INTERTEK  
3933 U.S. ROUTE 11  
CORTLAND, NY 13045-0950

ORIGINAL ISSUE DATE: April 7, 2015

Recertification due: April 2022

An Activity Sponsored and Administered by  
Intertek

Untel Kablolari San ve Tic A.S.  
Makine O.S. 6. CAD No = 4  
Dilouasi Kocaeli, Turkey 41455

**AIRPORT LIGHTING  
EQUIPMENT  
CERTIFICATION PROGRAM**

**CERTIFICATE OF  
CONFORMANCE**

The product described below is hereby approved for listing in the next issue of the Federal Aviation Administration (FAA) Advisory Circular (AC) 150/5345-53, Appendix 3 Addendum "Airport Lighting Equipment Certification Program. The approval is based on successful completion of tests in accordance with the specifications listed in, and the requirements for approval described in the Advisory Circular, and the reporting to the Program Administrator the results of such tests, accompanied by related documents by an Intertek recognized testing laboratory. This Certificate is only confirmable in conjunction with equipment being listed in AC 150/5345-53, Appendix 3, Addendum, as currently published by the FAA. The certification is not valid for a product modified with non-OEM replacement parts or non-production components.

L-824 – Underground Electrical Cable for Airport Lighting Circuits (AC 150/5345-7F)			
Manufacturer	Type	Voltage Rating	Manufacturer's Catalog Number
Untel Kablolari San ve Tic A.S.	C	5kV	UNT-AGL UNSCREENED POWER C PRIMARY CABLE
	C	5kV	UNT-AGL COPPER POWER PRIMARY CABLE
	C	5kV	UNT-AGL BRASS POWER PRIMARY CABLE

1. This Equipment requires continuing validation in accordance with the requirements of AC 150/5345-53, and the Intertek Airport Lighting Equipment Certification Program.
2. Product tested and Report issued by: Intertek

(A) Report No: 101521956CRT-001B

(B) Date of Report: 11/2014

NOTE: PLEASE REVIEW, AND ADVISE  
ADMINISTRATOR AT INTERTEK IMMEDIATELY  
IF DATA, AS SHOWN, NEED TO BE  
CORRECTED.

Approved for Certification by:

Jeremy N. Downs, PE, Program Administrator  
Date: April 7, 2015

Form AL-3 1/2006

**Uyarı:**

Bu broşür sadece bilgilendirme amaçlı olup içerdiği veriler önceden haber verilmeksizin değiştirilebilir. Var olabilecek hatalardan ve yol açabilecekleri yanlış anlama veya zarardan dolayı Üntel Kablolari Sanayi ve Ticaret A.Ş. sorumlu tutulamaz.

**Disclaimer:**

All data in this brochure are only informative and subject to change without prior notice. Üntel Kablolari Sanayi ve Ticaret A.Ş. cannot be held responsible for any sort of errors, misguidance or loss they may cause.



МЕЖГОСУДАРСТВЕННЫЙ АВИАЦИОННЫЙ КОМИТЕТ  
КОМИССИЯ ПО СЕРТИФИКАЦИИ АЭРОДРОМОВ И ОБОРУДОВАНИЯ  
INTERSTATE AVIATION COMMITTEE  
COMMISSION FOR AERODROME AND EQUIPMENT CERTIFICATION

**СЕРТИФИКАТ ТИПА**  
**TYPE CERTIFICATE**  
**№ 619**

НАСТОЯЩИЙ СЕРТИФИКАТ ВЫДАН  
THIS CERTIFICATE IS ISSUED TO

Промышленно-торговому акционерному обществу Унтел Каблорлары  
ÜnTel Kablolar Sanayi ve Ticaret A.Ş.,  
Makine O.S.B. 6. Cad. No: 4/41455 Döğevsi / Kocaeli, Turkey

И УДОСТОВЕРЯЕТ, ЧТО ТИПОВАЯ КОНСТРУКЦИЯ  
AND CERTIFIES THAT THE TYPE DESIGN OF

Высоковольтного аэродромного кабеля UNTEL-AFL 1×6 на 5 кВ  
с медным экраном и без экрана  
Primary airfield lighting cable UNTEL-AFL 1×6 5 kV with copper screen and without screen

СООТВЕТСТВУЕТ СЕРТИФИКАЦИОННЫМ ТРЕБОВАНИЯМ  
COMPLIES WITH THE CERTIFICATION REQUIREMENTS

ОГРАНИЧЕНИЯ ДЕЙСТВИЯ НАСТОЯЩЕГО СЕРТИФИКАТА СОДЕРЖАТСЯ В  
ПРИЛОЖЕНИИ, ЯВЛЯЮЩЕМСЯ НЕОТЪЕМЛЕМОЙ ЧАСТЬЮ СЕРТИФИКАТА.  
CERTIFICATE LIMITATIONS ARE CONTAINED IN THE APPENDIX FORMING AN  
INTEGRAL PART OF THIS CERTIFICATE.

СЕРИЙНОЕ ПРОИЗВОДСТВО:  
THE QUANTITY PRODUCTION IS:

ÜnTel Kablolar Sanayi ve Ticaret A.Ş.,  
Makine O.S.B. 6. Cad. No: 4/41455 Döğevsi / Kocaeli, Turkey

08.05.2014  
МОСКВА  
MOSCOW



В.Н. Гончаров  
Директор по сертификации  
аэродромов и оборудования  
V.N. Goncharov  
Director, Aerodromes  
and Equipment Certification

МЕЖГОСУДАРСТВЕННЫЙ АВИАЦИОННЫЙ КОМИТЕТ  
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INTERSTATE AVIATION COMMITTEE  
COMMISSION FOR AERODROME AND EQUIPMENT CERTIFICATION

ПРИЛОЖЕНИЕ К  
СЕРТИФИКАТУ ТИПА № 619  
APPENDIX TO  
TYPE CERTIFICATE № 619

**ОГРАНИЧЕНИЯ ДЕЙСТВИЯ**  
**СЕРТИФИКАТА ТИПА № 619**  
**TYPE CERTIFICATE LIMITATIONS**

1. ДЕЙСТВИЕ СЕРТИФИКАТА НЕ РАСПРОСТРАНЯЕТСЯ НА  
THIS TYPE CERTIFICATE DOES NOT COVER

Высоковольтный аэродромный кабель, UNTEL-AFL 1×6 на 5 кВ  
с медным экраном и без экрана,  
Primary airfield lighting cable UNTEL-AFL 1×6 5 kV  
with copper screen and without screen

НЕ ИДЕНТИЧНЫЙ УТВЕРЖДЕННОЙ ТИПОВОЙ КОНСТРУКЦИИ,  
IF NOT CONFORMING TO THE APPROVED TYPE DESIGN.

2. ОБЯЗАТЕЛЬНЫЕ ДЛЯ ВЫПОЛНЕНИЯ ОГРАНИЧЕНИЯ И УКАЗАНИЯ ПО ТЕХНИЧЕСКОЙ  
ЭКСПЛУАТАЦИИ СОДЕРЖАЮТ  
MANDATORY OPERATING LIMITATIONS AND MAINTENANCE INSTRUCTIONS ARE CONTAINED  
IN THE FOLLOWING

Техническое описание Doc. UNT-FP-25.04.2014,  
Высоковольтные аэродромные кабели UNTEL-AFL 1×6 и  
UNTEL-AFL 1×8AWG (8,367 мм<sup>2</sup>) на 5 кВ.

3. СПЕЦИАЛЬНЫЕ ОГРАНИЧЕНИЯ: не вводятся.  
SPECIFIC LIMITATIONS: none.

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КОМИССИЯ ПО СЕРТИФИКАЦИИ АЭРОДРОМОВ И ОБОРУДОВАНИЯ  
INTERSTATE AVIATION COMMITTEE  
COMMISSION FOR AERODROME AND EQUIPMENT CERTIFICATION

**СЕРТИФИКАТ ТИПА**  
**TYPE CERTIFICATE**  
**№ 620**

НАСТОЯЩИЙ СЕРТИФИКАТ ВЫДАН  
THIS CERTIFICATE IS ISSUED TO

Промышленно-торговому акционерному обществу Унтел Каблорлары  
Unel Kabloları Sanayi ve Ticaret A.Ş.,  
Makine O.S.B. 6. Cad. No: 441455 Döğvaşı / Kocaeli, Turkey

И УДОСТОВЕРЯЕТ, ЧТО ТИПОВАЯ КОНСТРУКЦИЯ  
AND CERTIFIES THAT THE TYPE DESIGN OF

Высоковольтного аэродромного кабеля UNTEL-AFL 1\*8AWG (8,367 мм<sup>2</sup>) на 5 кВ  
с медным экраном и без экрана  
Primary airfield lighting cable UNTEL-AFL 1\*8AWG (8,367 mm<sup>2</sup>) 5 kV  
with copper screen and without screen

СООТВЕТСТВУЕТ СЕРТИФИКАЦИОННЫМ ТРЕБОВАНИЯМ.  
COMPLIES WITH THE CERTIFICATION REQUIREMENTS.


ОГРАНИЧЕНИЯ ДЕЙСТВИЯ НАСТОЯЩЕГО СЕРТИФИКАТА СОДЕРЖАТСЯ В  
ПРИЛОЖЕНИИ. НЕ ВВОДИТСЯ НЕКОТОРЫМ ЧАСТЮ СЕРТИФИКАТА,  
CERTIFICATE LIMITATIONS ARE CONTAINED IN THE APPENDIX FORMING AN  
INTEGRAL PART OF THIS CERTIFICATE.

СЕРИЙНОЕ ПРОИЗВОДСТВО:  
THE QUANTITY PRODUCTION AT:

Unel Kabloları Sanayi ve Ticaret A.Ş.,  
Makine O.S.B. 6. Cad. No: 441455 Döğvaşı / Kocaeli, Turkey.

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КОМИССИЯ ПО СЕРТИФИКАЦИИ АЭРОДРОМОВ И ОБОРУДОВАНИЯ  
INTERSTATE AVIATION COMMITTEE  
COMMISSION FOR AERODROME AND EQUIPMENT CERTIFICATION

ПРИЛОЖЕНИЕ К  
СЕРТИФИКАТУ ТИПА № 620  
APPENDIX TO  
TYPE CERTIFICATE No. 620

**ОГРАНИЧЕНИЯ ДЕЙСТВИЯ**  
**СЕРТИФИКАТА ТИПА № 620**  
**TYPE CERTIFICATE LIMITATIONS**

1. ДЕЙСТВИЕ СЕРТИФИКАТА НЕ РАСПРОСТРАНЯЕТСЯ НА  
THIS TYPE CERTIFICATE DOES NOT COVER

Высоковольтный аэродромный кабель UNTEL-AFL 1\*8AWG (8,367 мм<sup>2</sup>) на 5 кВ  
с медным экраном и без экрана,  
Primary airfield lighting cable UNTEL-AFL 1\*8AWG (8,367 mm<sup>2</sup>) 5 kV  
with copper screen and without screen

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ЭКСПЛУАТАЦИИ СОДЕРЖИТ  
MANDATORY OPERATING LIMITATIONS AND MAINTENANCE INSTRUCTIONS ARE CONTAINED  
IN THE FOLLOWING

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Высоковольтные аэродромные кабели UNTEL-AFL 1\*8 и  
UNTEL-AFL 1\*8AWG (8,367 мм<sup>2</sup>) на 5 кВ.

3. СПЕЦИАЛЬНЫЕ ОГРАНИЧЕНИЯ: не вводятся.  
SPECIFIC LIMITATIONS: none.

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## HAKKIMIZDA

Türkiye ve Avrupa'nın seçkin kablo üreticilerinden biri olan ÜNTEL Kablolari A.Ş. 1972 yılında başta kauçuk kablo imalatı yapmak üzere kurulmuştur. En önemli değerlerinden biri olan müşteri memnuniyeti odaklı ürün ve hizmet anlayışı ile Dünyanın önde gelen kablo üreticileri arasına girmeyi hedefleyen ÜNTEL Kablo, ürünlerini 7 Kıta, 62 ülkede pazara sunmaktadır.

2010 yılında yapımı tamamlanan yeni üretim tesisi ile 32.000 m<sup>2</sup> si kapalı, toplam 43.000 m<sup>2</sup> alanda faaliyet göstermektedir. Tüm ayrıntılar düşünülerek tasarlanan bu tesis son teknoloji yüksek hızlı makinelerle donatılmış ve sektöründe benzeri olmayan bir bilgi işlem altyapısına sahiptir. Kauçuk, PVC, PUR, Halojen-free ve eşdeğer elastomer kompozit teknolojilerine hakim olan Üntel kablo, gemi, offshore, maden gibi tecrübe gerektiren endüstriyel alanda 15.000'in üzerinde ürün çeşitliliğe sahiptir. Yılda 4.000 ton Compound ve 3.000 ton bakır inceltme üretim makineleri ile yaklaşık 14.000 ton/yıl bakır işleme kapasitesine sahiptir. Üretim felsefesi olarak Tam Zamanında Üretim (JIT) ile üretim hızını ve müşteri memnuniyetini artırdığı gibi gereksiz maliyetleri de ortadan kaldırarak fiyat avantajı sağlamaktadır.

150'e yakın mavi, 35'den fazla beyaz yakadan oluşan, alanında uzmanlaşmış güçlü kadrosu ile müşteri taleplerini ve beklentilerini, buldukları ülke standartları ve sektörel ihtiyaçlar çerçevesinde de değerlendirerek çözümler sunar. Yaptığı araştırma ve geliştirme çalışmaları ile standart bir kaliteyi yerleştirmek yerine, daha iyi ve kaliteli olmak için sürekli iyileşmeyi hedeflemektedir. Bu faaliyetler sonucunda diğer üreticilere de dolaylı olarak yön veren ÜNTEL Kablo, son teknoloji ölçüm ve test ekipmanları ile donatılmış rakipsiz bir kalite laboratuvarına da sahiptir. Bir çok belgelendirme ve standart kuruluşu tarafından tanınan laboratuvarı, sektörde birçok üretici tarafından da kullanılmaktadır.

## ABOUT US

ÜNTEL KABLO is one of the leading cable manufacturers in Europe, with its modern, innovator, high technology factory and has been established in 1972 to manufacture specialty rubber and PVC cables. ÜNTEL KABLO aims to be become one of the leading cable manufacturers in the world keeping the customer services and the product quality as most important.

ÜNTEL KABLO made a new factory investment in 2010 to extend its production plant to 32.000m<sup>2</sup> closed and 11.000m<sup>2</sup> open space. The new factory plant and machinery have been designed in details to improve quality and services with high tech machines and unique ERP process. ÜNTEL KABLO has rubber, PVC, PUR, halogen free and similar elastomer compound technology. Product range is over 15.000 different types of cables which require manufacturing experience such as marine, offshore, mining, railway and instrument types. With its yearly 4.000 tons different type of compound production, 3.000 tons copper drawing capacity, ÜNTEL KABLO is able to process 14.000 tons of copper per year. In order to increase the customer satisfaction and production capacity, ÜNTEL KABLO operates with just in time (JIT) production concept and by this way it provides price advantage by removing unnecessary costs.

ÜNTEL KABLO, provides solutions by evaluating customer demands and expectations according to target country's standards and requirements, and has approximately 150 blue and 35 white collar workers. Not only focusing on standard quality, ÜNTEL KABLO also researches and develops its products to get better quality result and customer satisfaction. That's why ÜNTEL KABLO is the leading producer in its sector and influences other manufacturers.



Exporting over  
6 continents 65  
countries

45 Years in  
Production



- High technology and know how
- Product customization
- more than 150 international certificates
- Industrial Cables
- Marine Cables
- Mining & Trailing Cables
- Railway Cables
- Airport Runway Cables
- Offshore Cables

Strategic location for fast delivery



## UNT AGL BRASS POWER - C

**PİRİNÇ BANT EKSPANLI PRİMER PİST AYDINLATMA KABLOSU - TİP C**

**PRIMARY AIRPORT LIGHTING CABLE WITH BRASS TAPE SCREEN - TYPE C**

**ICEA S-93-639 / NEMA WC74**

**FAA - L 824 - TYPE C ( AC - 150/5345-7F SPECIFICATION FOR L-824)**

### KABLO YAPISI

- \* İLETKEN : Tavlı Bakır İletken (Tip TBC ) veya Kalaylı (Tip BBC ) Bakır İletken - IEC C 60228 CL 2' ye göre
- \* YARI İLETKEN TABAKA : Ekstrüze yarı iletken tabaka - ICEA S-93-639 / NEMA WC74' e göre
- \* İZOLE : XLPE - ICEA S-93-639 / NEMA WC74' e göre
- \* YARI İLETKEN TABAKA : Yarı iletken bant - ICEA S-93-639 / NEMA WC74' e göre
- \* EKSPAN : Minimum %20 bindirmeli ve %100 kapamalı olarak helisel uygulanmış pirinç bant
- \* DIŞ KILIF : Polyethylene (PE), PVC or Halojensiz (HF) malzeme - ICEA S-93-639 / NEMA WC74' e göre

### CABLE STRUCTURE

- \* CONDUCTOR : Strand of annealed tinned copper wires (Type TBC ) or plain copper wires (Type BBC ) according to IEC C 60228 CL 2
- \* SEMICONDUCTIVE LAYER : Extruded Semiconductive material according to ICEA S-93-639 / NEMA WC74
- \* INSULATION : XLPE according to ICEA S-93-639 / NEMA WC74
- \* SEMICONDUCTIVE LAYER : Semiconductive tape according to ICEA S-93-639 / NEMA WC74
- \* SCREEN : Minimum 20% overlap and 100% coverage ratio helically applied Brass Tape
- \* OUTER JACKET : PE, PVC, HF material according to ICEA S-93-639 / NEMA WC74

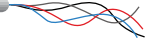


### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

- ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE : -25 / +90°C
- ÇALIŞMA GERİLİMİ / RATED VOLTAGE : 5 kV
- TEST GERİLİMİ / TEST VOLTAGE : 18 kV
- BÜKME YARI ÇAPI / BENDING RADIUS : 12 x Outer Diameter
- TEST STANDARDI / STANDARD OF TEST : ICEA S-93-639 / NEMA WC74

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric





## UNT AGL BRASS POWER - C

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C (Ω/km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BCL2 / EXSC / XLPE / SCT / BRT / PE	1X6 mm <sup>2</sup>	64	180	11,9	3,08	52
BCL2 / EXSC / XLPE / SCT / BRT / PVC	1X6 mm <sup>2</sup>	64	208	11,9	3,08	52
TCL2 / EXSC / XLPE / SCT / BRT / PE	1X6 mm <sup>2</sup>	64	180	11,9	3,11	52
TCL2 / EXSC / XLPE / SCT / BRT / PVC	1X6 mm <sup>2</sup>	64	208	11,9	3,11	52
BAWGB / EXSC / XLPE / SCT / BRT / PE	1X8 AWG	86	208	12,8	2,14	64
BAWGB / EXSC / XLPE / SCT / BRT / PVC	1X8 AWG	86	240	12,8	2,14	64
TAWGB / EXSC / XLPE / SCT / BRT / PE	1X8 AWG	86	208	12,8	2,22	64
TAWGB / EXSC / XLPE / SCT / BRT / PVC	1X8 AWG	86	240	12,8	2,22	64
BAWGB / EXSC / XLPE / SCT / BRT / PE	1X6 AWG	131	275	13,6	1,35	85
BAWGB / EXSC / XLPE / SCT / BRT / PVC	1X6 AWG	131	302	13,6	1,35	85
TAWGB / EXSC / XLPE / SCT / BRT / PE	1X6 AWG	131	275	13,6	1,40	85
TAWGB / EXSC / XLPE / SCT / BRT / PVC	1X6 AWG	131	302	13,6	1,40	85

**BCL2:** Çıplak Sınıf 2 Bakır (Bare Class 2 Copper) **TCL2:** Kalaylı Sınıf 2 Bakır (Tinned Class 2 Copper) **BAWGB:** Çıplak Sınıf B Bakır (Bare Class B Copper)

**TAWGB:** Kalaylı Sınıf B Bakır (Tinned Class B Copper) **EXSC:** Ekstrüze Yarı İletken Bileşik (Extruded Semi Conductive Compound) **XLPE:** Çapraz Bağlı Polietilen

(Cross-linked Polyethylene) **SCT:** Yarı İletken Bant (Semi Conductive Tape) **BRT:** Princi Bant (Brass Tape) **PE:** Polietilen (Polyethylene) **PVC:** Polivinil Klorür (Polyvinyl Chloride)





## UNT AGL COPPER POWER – C

### BAKIR BANT EKSPANLI PRİMER PİST AYDINLATMA KABLOSU – TİP C

PRIMARY AIRPORT LIGHTING CABLE WITH COPPER TAPE SCREEN – TYPE C

### ICEA S-93-639 / NEMA WC74

FAA – L 824 – TYPE C ( AC - 150/5345-7F SPECIFICATION FOR L-824)

#### KABLO YAPISI

- \* İLETKEN : Tavlı Bakır İletken (Tip TCC ) veya Kalaylı (Tip BCC ) Bakır İletken - IEC C 60228 CL 2' ye göre
- \* YARI İLETKEN TABAKA : Ekstrüze yarı iletken tabaka - ICEA S-93-639 / NEMA WC74' e göre
- \* İZOLE : XLPE - ICEA S-93-639 / NEMA WC74' e göre
- \* YARI İLETKEN TABAKA : Yarı iletken bant - ICEA S-93-639 / NEMA WC74' e göre
- \* EKSPAN : %20 bindirmeli ve %100 kapamalı olarak helisel uygulanmış Bakır Bant
- \* DIŞ KILIF : Polyethylene (PE), PVC or Halojensiz (HF) malzeme - ICEA S-93-639 / NEMA WC74' e göre

#### CABLE STRUCTURE

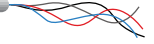
- \* CONDUCTOR : Strand of annealed tinned copper wires (Type TBC ) or plain copper wires (Type BBC ) according to IEC C 60228 CL 2
- \* SEMICONDUCTIVE LAYER : Extruded Semiconductive material according to ICEA S-93-639 / NEMA WC74
- \* INSULATION : XLPE according to ICEA S-93-639 / NEMA WC74
- \* SEMICONDUCTIVE LAYER : Semiconductive tape according to ICEA S-93-639 / NEMA WC74
- \* SCREEN : Minimum 20% overlap and 100% coverage ratio helically applied Copper Tape
- \* OUTER JACKET : PE, PVC, HF material according to ICEA S-93-639 / NEMA WC74



#### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

- ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE : -25 / +90°C
- ÇALIŞMA GERİLİMİ / RATED VOLTAGE : 5 kV
- TEST GERİLİMİ / TEST VOLTAGE : 18 kV
- BÜKME YARI ÇAPI / BENDING RADIUS : 12 x Outer Diameter
- TEST STANDARDI / STANDARD OF TEST : ICEA S-93-639 / NEMA WC74

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric



## UNT AGL COPPER POWER – C

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C (Ω/km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BCL2 / EXSC / XLPE / SCT / CUT / PE	1X6 mm <sup>2</sup>	86	182	11,9	3,08	52
BCL2 / EXSC / XLPE / SCT / CUT / PVC	1X6 mm <sup>2</sup>	86	211	11,9	3,08	52
TCL2 / EXSC / XLPE / SCT / CUT / PE	1X6 mm <sup>2</sup>	86	182	11,9	3,11	52
TCL2 / EXSC / XLPE / SCT / CUT / PVC	1X6 mm <sup>2</sup>	86	211	11,9	3,11	52
BAWGB / EXSC / XLPE / SCT / CUT / PE	1X8 AWG	109	210	12,8	2,14	64
BAWGB / EXSC / XLPE / SCT / CUT / PVC	1X8 AWG	109	242	12,8	2,14	64
TAWGB / EXSC / XLPE / SCT / CUT / PE	1X8 AWG	109	210	12,8	2,22	64
TAWGB / EXSC / XLPE / SCT / CUT / PVC	1X8 AWG	109	242	12,8	2,22	64
BAWGB / EXSC / XLPE / SCT / CUT / PE	1X6 AWG	157	277	13,6	1,35	85
BAWGB / EXSC / XLPE / SCT / CUT / PVC	1X6 AWG	157	305	13,6	1,35	85
TAWGB / EXSC / XLPE / SCT / CUT / PE	1X6 AWG	157	277	13,6	1,40	85
TAWGB / EXSC / XLPE / SCT / CUT / PVC	1X6 AWG	157	305	13,6	1,40	85

**BCL2:** Çıplak Sınıf 2 Bakır (Bare Class 2 Copper) **TCL2:** Kalaylı Sınıf 2 Bakır (Tinned Class 2 Copper) **BAWGB:** Çıplak Sınıf B Bakır (Bare Class B Copper)

**TAWGB:** Kalaylı Sınıf B Bakır (Tinned Class B Copper) **EXSC:** Ekstrüze Yarı İletken Bileşik (Extruded Semi Conductive Compound) **XLPE:** Çapraz Bağlı Polietilen

(Cross-linked Polyethylene) **SCT:** Yarı İletken Bant (Semi Conductive Tape) **CUT:** Bakır Bant (Copper Tape) **PE:** Polietilen (Polyethylene) **PVC:** Polivinil Klorür (Polyvinyl Chloride)



## UNT AGL BRASS POWER FLEX – B

### PİRİNÇ BANT EKSPANLI ESNEK PRİMER PİST AYDINLATMA KABLOSU – TİP B

FLEXIBLE PRIMARY AIRPORT LIGHTING CABLE WITH BRASS TAPE SCREEN – TYPE B

ICEA S-93-639 / NEMA WC74

FAA – L 824 ( AC - 150/5345-7F SPECIFICATION FOR L-824)

#### KABLO YAPISI

- \* İLETKEN : Tavlı Bakır İletken (Tip TBC ) veya Kalaylı (Tip BBC ) Bakır İletken - IEC C 60228 CL 2' ye göre
- \* YARI İLETKEN TABAKA : Ekstrüze yarı iletken tabaka - ICEA S-93-639 / NEMA WC74' e göre
- \* İZOLE : EPR Kauçuk - ICEA S-93-639 / NEMA WC74' e göre
- \* YARI İLETKEN TABAKA : Yarı iletken bant - ICEA S-93-639 / NEMA WC74' e göre
- \* EKSPAN : Minimum %20 bindirmeli ve %100 kapamalı olarak helisel uygulanmış pirinç bant
- \* DIŞ KILIF : CR-HD veya CPE – XL veya eşdeğeri malzeme - ICEA S-93-639 / NEMA WC74' e göre

#### CABLE STRUCTURE

- \* CONDUCTOR : Strand of annealed tinned copper wires (Type TBC ) or plain copper wires (Type BBC ) according to IEC C 60228 CL 2
- \* SEMICONDUCTIVE LAYER : Extruded Semiconductive material according to ICEA S-93-639 / NEMA WC74
- \* INSULATION : EPR Rubber according to ICEA S-93-639 / NEMA WC74
- \* SEMICONDUCTIVE LAYER : Semiconductive tape according to ICEA S-93-639 / NEMA WC74
- \* SCREEN : Minimum 20% overleap and 100% coverage ratio helically applied Brass Tape
- \* OUTER JACKET : CR-HD or CPE – XL or equivalent material according to ICEA S-93-639 / NEMA WC74



#### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

- ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE : -25 / +90°C
- ÇALIŞMA GERİLİMİ / RATED VOLTAGE : 5 kV
- TEST GERİLİMİ / TEST VOLTAGE : 18 kV
- BÜKME YARI ÇAPI / BENDING RADIUS : 12 x Outer Diameter
- TEST STANDARDI / STANDARD OF TEST : ICEA S-93-639 / NEMA WC74

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric

# UNT AGL BRASS POWER FLEX – B

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C ( Ω/km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BCL2 / EXSC / EPR / SCT / BRT / PCP - E	1X6 mm <sup>2</sup>	64	214	12,0	3,08	52
TCL2 / EXSC / EPR / SCT / BRT / PCP - E	1X6 mm <sup>2</sup>	64	214	12,0	3,11	52
BAWGB / EXSC / EPR / SCT / BRT / PCP - E	1X8 AWG	88	250	12,6	2,14	64
TAWGB / EXSC / EPR / SCT / BRT / PCP - E	1X8 AWG	88	250	12,6	2,22	64
BAWGB / EXSC / EPR / SCT / BRT / PCP - E	1X6 AWG	131	315	13,6	1,35	85
TAWGB / EXSC / EPR / SCT / BRT / PCP - E	1X6 AWG	131	315	13,6	1,40	85

**BCL2:** Çıplak Sınıf 2 Bakır (Bare Class 2 Copper) **TCL2:** Kalaylı Sınıf 2 Bakır (Tinned Class 2 Copper) **BAWGB:** Çıplak Sınıf B Bakır (Bare Class B Copper)

**TAWGB:** Kalaylı Sınıf B Bakır (Tinned Class B Copper) **EXSC:** Ekstrüze Yarı İletken Bileşik (Extruded Semi Conductive Compound)

**EPR:** Etilen Propilen Kauçuk (Ethylene Propylene Rubber) **SCT:** Yarı İletken Bant (Semi Conductive Tape) **BRT:** Prinç Bant (Brass Tape)

**PCP - E:** Polikloropren veya Muadili Kauçuk (Polychloroprene or Equivalent Rubber)





## UNT AGL COPPER POWER FLEX – B

### BAKIR BANT EKSPANLI ESNEK PRİMER PİST AYDINLATMA KABLOSU – TİP B

FLEXIBLE PRIMARY AIRPORT LIGHTING CABLE WITH COPPER TAPE SCREEN – TYPE B

#### ICEA S-93-639 / NEMA WC74

FAA – L 824 ( AC - 150/5345-7F SPECIFICATION FOR L-824)

#### KABLO YAPISI

- \* İLETKEN : Tavlı Bakır İletken (Tip TCC ) veya Kalaylı (Tip BCC ) Bakır İletken - IEC C 60228 CL 2' ye göre
- \* YARI İLETKEN TABAKA : Ekstrüze yarı iletken tabaka - ICEA S-93-639 / NEMA WC74' e göre
- \* İZOLE : EPR Kauçuk - ICEA S-93-639 / NEMA WC74' e göre
- \* YARI İLETKEN TABAKA : Yarı iletken bant - ICEA S-93-639 / NEMA WC74' e göre
- \* EKSPAN : Minimum %20 bindirmeli ve %100 kapamalı olarak helisel uygulanmış bakır bant
- \* DIŞ KILIF : CR-HD veya CPE – XL veya eşdeğeri malzeme - ICEA S-93-639 / NEMA WC74' e göre

#### CABLE STRUCTURE

- \* CONDUCTOR : Strand of annealed tinned copper wires (Type TBC ) or plain copper wires (Type BBC ) according to IEC C 60228 CL 2
- \* SEMICONDUCTIVE LAYER : Extruded Semiconductive material according to ICEA S-93-639 / NEMA WC74
- \* INSULATION : EPR Rubber according to ICEA S-93-639 / NEMA WC74
- \* SEMICONDUCTIVE LAYER : Semiconductive tape according to ICEA S-93-639 / NEMA WC74
- \* SCREEN : Minimum 20% overlap and 100% coverage ratio helically applied Copper Tape
- \* OUTER JACKET : CR-HD or CPE – XL or equivalent material according to ICEA S-93-639 / NEMA WC74



#### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

- ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE : -25 / +90°C
- ÇALIŞMA GERİLİMİ / RATED VOLTAGE : 5 kV
- TEST GERİLİMİ / TEST VOLTAGE : 18 kV
- BÜKME YARI ÇAPI / BENDING RADIUS : 12 x Outer Diameter
- TEST STANDARDI / STANDARD OF TEST : ICEA S-93-639 / NEMA WC74

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric

# UNT AGL COPPER POWER FLEX - B

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C ( $\Omega$ /km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BCL2 / EXSC / EPR / SCT / CUT / PCP - E	1X6 mm <sup>2</sup>	86	216	12,0	3,08	52
TCL2 / EXSC / EPR / SCT / CUT / PCP - E	1X6 mm <sup>2</sup>	86	216	12,0	3,11	52
BAWGB / EXSC / EPR / SCT / CUT / PCP - E	1X8 AWG	110	251	12,6	2,14	64
TAWGB / EXSC / EPR / SCT / CUT / PCP - E	1X8 AWG	110	251	12,6	2,22	64
BAWGB / EXSC / EPR / SCT / CUT / PCP - E	1X6 AWG	157	317	13,6	1,35	85
TAWGB / EXSC / EPR / SCT / CUT / PCP - E	1X6 AWG	157	317	13,6	1,40	85

**BCL2:** Çıplak Sınıf 2 Bakır (Bare Class 2 Copper) **TCL2:** Kalaylı Sınıf 2 Bakır (Tinned Class 2 Copper) **BAWGB:** Çıplak Sınıf B Bakır (Bare Class B Copper)

**TAWGB:** Kalaylı Sınıf B Bakır (Tinned Class B Copper) **EXSC:** Ekstrüze Yarı İletken Bileşik (Extruded Semi Conductive Compound)

**EPR:** Etilen Propilen Kauçuk (Ethylene Propylene Rubber) **SCT:** Yarı İletken Bant (Semi Conductive Tape) **CUT:** Bakır Bant (Copper Tape)

**PCP - E:** Polikloropren veya Muadili Kauçuk (Polychloroprene or Equivalent Rubber)



## UNT AGL BRAIDING POWER – C

### ÖRGÜ EKLANLI PRİMER PİST AYDINLATMA KABLOSU – TİP C

PRIMARY AIRPORT LIGHTING CABLE WITH BRAIDING SCREEN – TYPE C

#### ICEA S-93-639 / NEMA WC74

FAA – L 824 ( AC - 150/5345-7F SPECIFICATION FOR L-824)

#### KABLO YAPISI

- \* İLETKEN : Tavlı Bakır İletken (Tip TC ) veya Kalaylı (Tip BC ) Bakır İletken - IEC C 60228 CL 2' ye göre
- \* YARI İLETKEN TABAKA : Ekstrüze yarı iletken tabaka - ICEA S-93-639 / NEMA WC74' e göre
- \* İZOLE : XLPE - ICEA S-93-639 / NEMA WC74' e göre
- \* YARI İLETKEN TABAKA : Yarı iletken bant - ICEA S-93-639 / NEMA WC74' e göre
- \* EKLAN : Kalaylı bakır tellerden Minimum %80 örtme oranı ile örgü bakır ekran.
- \* DIŞ KILIF : Polyethylene (PE) veya PVC, Halojensiz (HF) malzeme - ICEA S-93-639 / NEMA WC74' e göre

#### CABLE STRUCTURE

- \* CONDUCTOR : Strand of annealed tinned copper wires (Type TC ) or plain copper wires (Type BC ) according to IEC C 60228 CL 2
- \* SEMICONDUCTIVE LAYER : Extruded Semiconductive material according to ICEA S-93-639 / NEMA WC74
- \* INSULATION : XLPE according to ICEA S-93-639 / NEMA WC74
- \* SEMICONDUCTIVE LAYER : Semiconductive tape according to ICEA S-93-639 / NEMA WC74
- \* SCREEN : Tinned Copper wire braiding with minimum 80% coverage ratio
- \* OUTER JACKET : PE, PVC or HF material according to ICEA S-93-639 / NEMA WC74



#### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

- ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE : -25 / +90°C
- ÇALIŞMA GERİLİMİ / RATED VOLTAGE : 5 kV
- TEST GERİLİMİ / TEST VOLTAGE : 18 kV
- BÜKME YARI ÇAPI / BENDING RADIUS : 12 x Outer Diameter
- TEST STANDARDI / STANDARD OF TEST : ICEA S-93-639 / NEMA WC74

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric



## UNT AGL BRAIDING POWER – C

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C ( $\Omega$ /km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BCL2 / EXSC / XLPE / SCT / BCUB / PE	1X6 mm <sup>2</sup>	101	203	12,4	3,08	52
BCL2 / EXSC / XLPE / SCT / BCUB / PVC	1X6 mm <sup>2</sup>	101	228	12,4	3,08	52
TCL2 / EXSC / XLPE / SCT / TCUB / PE	1X6 mm <sup>2</sup>	101	203	12,4	3,11	52
TCL2 / EXSC / XLPE / SCT / TCUB / PVC	1X6 mm <sup>2</sup>	101	228	12,4	3,11	52
BAWGB / EXSC / XLPE / SCT / BCUB / PE	1X8 AWG	127	238	13,0	2,14	64
BAWGB / EXSC / XLPE / SCT / BCUB / PVC	1X8 AWG	127	263	13,0	2,14	64
TAWGB / EXSC / XLPE / SCT / TCUB / PE	1X8 AWG	127	238	13,0	2,22	64
TAWGB / EXSC / XLPE / SCT / TCUB / PVC	1X8 AWG	127	263	13,0	2,22	64
BAWGB / EXSC / XLPE / SCT / BCUB / PE	1X6 AWG	178	302	14,0	1,35	85
BAWGB / EXSC / XLPE / SCT / BCUB / PVC	1X6 AWG	178	329	14,0	1,35	85
TAWGB / EXSC / XLPE / SCT / TCUB / PE	1X6 AWG	178	302	14,0	1,40	85
TAWGB / EXSC / XLPE / SCT / TCUB / PVC	1X6 AWG	178	329	14,0	1,40	85

**BCL2:** Çıplak Sınıf 2 Bakır (Bare Class 2 Copper) **TCL2:** Kalaylı Sınıf 2 Bakır (Tinned Class 2 Copper) **BAWGB:** Çıplak Sınıf B Bakır (Bare Class B Copper)

**TAWGB:** Kalaylı Sınıf B Bakır (Tinned Class B Copper) **EXSC:** Ekstrüze Yarı İletken Bileşik (Extruded Semi Conductive Compound)

**XLPE:** Çapraz Bağlı Polietilen (Cross-linked Polyethylene) **SCT:** Yarı İletken Bant (Semi Conductive Tape)

**BCUB:** Tavlı Bakır Teller ile Örgü Ekran (Braiding Screen with Bare Copper Wires) **TCUB:** Kalaylı Bakır Teller ile Örgü Ekran (Braiding Screen with Tinned Copper Wires)

**PE:** Polietilen (Polyethylene) **PVC:** Polivinil Klorür (Polyvinyl Chloride)



## UNT AGL BRAIDING POWER FLEX – B

### ÖRGÜ EKLANLI PRİMER PİST AYDINLATMA KABLOSU – TİP B

PRIMARY AIRPORT LIGHTING CABLE WITH BRAIDING SCREEN – TYPE B

### ICEA S-93-639 / NEMA WC74

FAA – L 824 ( AC - 150/5345-7F SPECIFICATION FOR L-824)

#### KABLO YAPISI

- \* İLETKEN : Tavlı Bakır İletken (Tip TB ) veya Kalaylı (Tip BB ) Bakır İletken - IEC C 60228 CL 2' ye göre
- \* YARI İLETKEN TABAKA : Ekstrüze yarı iletken tabaka - ICEA S-93-639 / NEMA WC74' e göre
- \* İZOLE : EPR Kauçuk - ICEA S-93-639 / NEMA WC74' e göre
- \* YARI İLETKEN TABAKA : Yarı iletken bant - ICEA S-93-639 / NEMA WC74' e göre
- \* EKLAN : Kalaylı bakır tellerden Minimum %80 örtme oranı ile örgü bakır ekran.
- \* DIŞ KILIF : CR-HD veya CPE – XL veya eşdeğeri malzeme - ICEA S-93-639 / NEMA WC74' e göre

#### CABLE STRUCTURE

- \* CONDUCTOR : Strand of annealed tinned copper wires (Type TB ) or plain copper wires (Type BB ) according to IEC C 60228 CL 2
- \* SEMICONDUCTIVE LAYER : Extruded Semiconductive material according to ICEA S-93-639 / NEMA WC74
- \* INSULATION : EPR Rubber according to ICEA S-93-639 / NEMA WC74
- \* SEMICONDUCTIVE LAYER : Semiconductive tape according to ICEA S-93-639 / NEMA WC74
- \* SCREEN : Tinned Copper wire braiding with minimum 80% coverage ratio
- \* OUTER JACKET : CR-HD or CPE – XL or equivalent material according to ICEA S-93-639 / NEMA WC74



#### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

- ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE : -25 / +90°C
- ÇALIŞMA GERİLİMİ / RATED VOLTAGE : 5 kV
- TEST GERİLİMİ / TEST VOLTAGE : 18 kV
- BÜKME YARI ÇAPI / BENDING RADIUS : 12 x Outer Diameter
- TEST STANDARDI / STANDARD OF TEST : ICEA S-93-639 / NEMA WC74

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric

# UNT AGL BRAIDING POWER FLEX – B

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C ( Ω/km)	90 °C İletk. Sic. 45 °C Ortam Sic. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BCL2 / EXSC / EPR / SCT / BCUB / PCP-E	1X6 mm <sup>2</sup>	101	240	12,4	3,08	52
TCL2 / EXSC / EPR / SCT / TCUB / PCP-E	1X6 mm <sup>2</sup>	101	240	12,4	3,11	52
BAWGB / EXSC / EPR / SCT / BCUB / PCP-E	1X8 AWG	127	278	13,0	2,14	64
TAWGB / EXSC / EPR / SCT / TCUB / PCP-E	1X8 AWG	127	278	13,0	2,22	64
BAWGB / EXSC / EPR / SCT / BCUB / PCP-E	1X6 AWG	178	346	14,0	1,35	85
TAWGB / EXSC / EPR / SCT / TCUB / PCP-E	1X6 AWG	178	346	14,0	1,40	85

**BCL2:** Çıplak Sınıf 2 Bakır (Bare Class 2 Copper) **TCL2:** Kalaylı Sınıf 2 Bakır (Tinned Class 2 Copper) **BAWGB:** Çıplak Sınıf B Bakır (Bare Class B Copper)

**TAWGB:** Kalaylı Sınıf B Bakır (Tinned Class B Copper) **EXSC:** Ekstrüze Yarı İletken Bileşik (Extruded Semi Conductive Compound)

**EPR:** Etilen Propilen Kauçuk (Ethylene Propylene Rubber) **SCT:** Yarı İletken Bant (Semi Conductive Tape)

**BCUB:** Tavlı Bakır Teller ile Örgü Ekran (Braiding Screen with Bare Copper Wires) **TCUB:** Kalaylı Bakır Teller ile Örgü Ekran (Braiding Screen with Tinned Copper Wires)

**PCP - E:** Polikloropren veya Muadili Kauçuk (Polychloroprene or Equivalent Rubber)





## UNT AGL COPPER SPECIAL FLEX – B

**BAKIR BANT EKSPANLI ÖZEL ESNEK PRİMER PİST AYDINLATMA KABLOSU – TİP B**

**SPECIAL FLEXIBLE PRIMARY AIRPORT LIGHTING CABLE WITH COPPER TAPE SCREEN – TYPE B**

**ICEA S-93-639 / NEMA WC74**

**FAA – L 824 ( AC - 150/5345-7F SPECIFICATION FOR L-824)**

### KABLO YAPISI

- \* İLETKEN : Tavlı Bakır İletken (Tip TCC ) veya Kalaylı (Tip BCC ) Bakır İletken - IEC C 60228 CL 2' ye göre
- \* İZOLE : EPR Kauçuk - ICEA S-93-639 / NEMA WC74' e göre
- \* EKSPAN : Minimum %20 bindirmeli ve % 100 kapamalı olarak helisel uygulanmış Bakır Bant
- \* DIŞ KILIF : CR-HD veya CPE – XL veya eşdeğeri malzeme - ICEA S-93-639 / NEMA WC74' e göre

### CABLE STRUCTURE

- \* CONDUCTOR : Strand of annealed tinned copper wires (Type TBC ) or plain copper wires (Type BBC ) according to IEC C 60228 CL 2
- \* INSULATION : EPR Rubber according to ICEA S-93-639 / NEMA WC74
- \* SCREEN : Minimum 20% overleap and 100% coverage ratio helically applied Copper Tape
- \* OUTER JACKET : CR-HD or CPE – XL or equivalent material according to ICEA S-93-639 / NEMA WC74



### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE : -25 / +90°C

ÇALIŞMA GERİLİMİ / RATED VOLTAGE : 5 kV

TEST GERİLİMİ / TEST VOLTAGE : 18 kV

BÜKME YARI ÇAPI / BENDING RADIUS : 12 x Outer Diameter

TEST STANDARDI / STANDARD OF TEST : ICEA S-93-659 / NEMA WC74

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C ( Ω/km)	90 °C İletk. Sic. 45 °C Ortam Sic. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BAWGB / EXSC / EPR / SCT / CUT / PCP - E	1X8 AWG	110	345	15,0	2,14	64
TAWGB / EXSC / EPR / SCT / CUT / PCP - E	1X8 AWG	110	345	15,0	2,22	64
BAWGB / EXSC / EPR / SCT / BRT / PCP - E	1X8 AWG	88	346	15,0	2,14	64
TAWGB / EXSC / EPR / SCT / BRT / PCP - E	1X8 AWG	88	346	15,0	2,22	64

BAWGB: Çıplak Sınıf B Bakır (Bare Class B Copper) TAWGB: Kalaylı Sınıf B Bakır (Tinned Class B Copper)

EXSC: Ekstrüze Yarı İletken Bileşik (Extruded Semi Conductive Compound) EPR: Etilen Propilen Kauçuk (Ethylene Propylene Rubber) SCT: Yarı İletken Bant (Semi Conductive Tape)

CUT: Bakır Bant (Copper Tape) BRT: Princi Bant (Brass Tape) PCP - E: Polikloropren veya Muadili Kauçuk (Polychloroprene or Equivalent Rubber)

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric





## UNT AGL UNSCREENED POWER - C

**EKRANSIZ PRİMER PİST AYDINLATMA KABLOSU – TİP C**  
**UNSCREENED PRIMARY AIRPORT LIGHTING CABLE – TYPE C**

**ICEA S-96-659 / NEMA WC71**  
**FAA – L 824 ( AC - 150/5345-7F SPECIFICATION FOR L-824)**

### KABLO YAPISI

- \* İLETKEN : Tavlı Bakır İletken (Tip TC ) veya Kalaylı (Tip BC ) Bakır İletken - IEC C 60228 CL 2' ye göre
- \* YARI İLETKEN TABAKA : Ekstrüze yarı iletken tabaka - ICEA S-93-659 / NEMA WC71' e göre
- \* İZOLE : XLPE - ICEA S-93-659 / NEMA WC71' e göre
- \* DIŞ KILIF : Polyethylene (PE), PVC veya Halojensiz (HF) malzeme - ICEA S-93-659 / NEMA WC71' e göre

### CABLE STRUCTURE

- \* CONDUCTOR : Strand of annealed tinned copper wires (Type TC ) or plain copper wires (Type BC ) according to IEC C 60228 CL 2
- \* SEMICONDUCTIVE LAYER : Extruded Semiconductive material according to ICEA S-93-659 / NEMA WC71
- \* INSULATION : XLPE according to ICEA S-93-659 / NEMA WC71
- \* OUTER JACKET : PE, PVC or HF material according to ICEA S-93-659 / NEMA WC71



### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE	: -25 / +90°C
ÇALIŞMA GERİLİMİ / RATED VOLTAGE	: 5 kV
TEST GERİLİMİ / TEST VOLTAGE	: 18 kV
BÜKME YARI ÇAPI / BENDING RADIUS	: 12 x Outer Diameter
TEST STANDARDI / STANDARD OF TEST	: ICEA S-96-659 / NEMA WC71

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric

# UNT AGL UNSCREENED POWER - C

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C ( $\Omega$ /km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BCL2 / EXSC / XLPE / PE	1X6 mm <sup>2</sup>	53	162	11,0	3,08	52
BCL2 / EXSC / XLPE / PVC	1X6 mm <sup>2</sup>	53	192	11,0	3,08	52
TCL2 / EXSC / XLPE / PE	1X6 mm <sup>2</sup>	53	162	11,0	3,11	52
TCL2 / EXSC / XLPE / PVC	1X6 mm <sup>2</sup>	53	192	11,0	3,11	52
BAWGB / EXSC / XLPE / PE	1X8 AWG	76	183	11,9	2,14	64
BAWGB / EXSC / XLPE / PVC	1X8 AWG	76	207	11,9	2,14	64
TAWGB / EXSC / XLPE / PE	1X8 AWG	76	183	11,9	2,22	64
TAWGB / EXSC / XLPE / PVC	1X8 AWG	76	207	11,9	2,22	64
BAWGB / EXSC / XLPE / PE	1X6 AWG	120	249	13,0	1,35	85
BAWGB / EXSC / XLPE / PVC	1X6 AWG	120	263	13,0	1,35	85
TAWGB / EXSC / XLPE / PE	1X6 AWG	120	249	13,0	1,40	85
TAWGB / EXSC / XLPE / PVC	1X6 AWG	120	263	13,0	1,40	85

**BCL2:** Çıplak Sınıf 2 Bakır (Bare Class 2 Copper) **TCL2:** Kalaylı Sınıf 2 Bakır (Tinned Class 2 Copper) **BAWGB:** Çıplak Sınıf B Bakır (Bare Class B Copper)

**TAWGB:** Kalaylı Sınıf B Bakır (Tinned Class B Copper) **EXSC:** Ekstrüze Yarı İletken Bileşik (Extruded Semi Conductive Compound)

**XLPE:** Çapraz Bağlı Polietilen (Cross-linked Polyethylene) **PE:** Polietilen (Polyethylene) **PVC:** Polivinil Klorür (Polyvinyl Chloride)



## UNT AGL UNSCREENED FLEX POWER-B

### EKRANSIZ ESNEK PRİMER PİST AYDINLATMA KABLOSU – TİP B

UNSCREENED FLEXIBLE PRIMARY AIRPORT LIGHTING CABLE – TYPE B

### ICEA S-96-659 / NEMA WC71

FAA – L 824 ( AC - 150/5345-7F SPECIFICATION FOR L-824)

#### KABLO YAPISI

- \* İLETKEN : Tavlı Bakır İletken (Tip TC ) veya Kalaylı (Tip BC ) Bakır İletken - IEC C 60228 CL 2' ye göre
- \* YARI İLETKEN TABAKA : Ekstruze yarı iletken tabaka - ICEA S-93-659 / NEMA WC71' e göre
- \* İZOLE : EPR Kauçuk - ICEA S-93-659 / NEMA WC71' e göre
- \* DIŞ KILIF : CR-HD veya CPE – XL veya eşdeğeri malzeme - ICEA S-93-639 / NEMA WC74' e göre

#### CABLE STRUCTURE

- \* CONDUCTOR : Strand of annealed tinned copper wires (Type TC ) or plain copper wires (Type BC ) according to IEC C 60228 CL 2
- \* SEMICONDUCTIVE LAYER : Extruded Semiconductive material according to ICEA S-93-659 / NEMA WC71
- \* INSULATION : EPR Rubber according to ICEA S-93-659 / NEMA WC71
- \* OUTER JACKET : CR-HD or CPE – XL or equivalent material according to ICEA S-93-639 / NEMA WC74



#### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

- ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE : -25 / +90°C
- ÇALIŞMA GERİLİMİ / RATED VOLTAGE : 5 kV
- TEST GERİLİMİ / TEST VOLTAGE : 18 kV
- BÜKME YARI ÇAPI / BENDING RADIUS : 6 x Outer Diameter
- TEST STANDARDI / STANDARD OF TEST : ICEA S-96-659 / NEMA WC71

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric



# UNT AGL UNSCREENED FLEX POWER-B

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C ( $\Omega$ /km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BCL2 / EXSC / EPR / PCP - E	1X6 mm <sup>2</sup>	53	180	11,0	3,08	52
TCL2 / EXSC / EPR / PCP - E	1X6 mm <sup>2</sup>	53	180	11,0	3,11	52
BAWGB / EXSC / EPR / PCP - E	1X8 AWG	76	214	11,9	2,14	64
TAWGB / EXSC / EPR / PCP - E	1X8 AWG	76	214	11,9	2,22	64
BAWGB / EXSC / EPR / PCP - E	1X6 AWG	120	275	13,0	1,35	85
TAWGB / EXSC / EPR / PCP - E	1X6 AWG	120	275	13,0	1,40	85

**BCL2:** Çıplak Sınıf 2 Bakır (Bare Class 2 Copper) **TCL2:** Kalaylı Sınıf 2 Bakır (Tinned Class 2 Copper) **BAWGB:** Çıplak Sınıf B Bakır (Bare Class B Copper)

**TAWGB:** Kalaylı Sınıf B Bakır (Tinned Class B Copper) **EXSC:** Ekstrüze Yarı İletken Bileşik (Extruded Semi Conductive Compound)

**EPR:** Etilen Propilen Kauçuk (Ethylene Propylene Rubber) **PCP - E:** Polikloropren veya Muadili Kauçuk (Polychloroprene or Equivalent Rubber)





## UNT AGL SECONDARY POWER - C

**SEKONDER PİST AYDINLATMA KABLOSU – TİP C**  
SECONDARY AIRPORT LIGHTING CABLE – TYPE C

**ICEA S-95-658 / NEMA WC71**  
FAA – L 824 ( AC - 150/5345-7F SPECIFICATION FOR L-824)

### KABLO YAPISI

- \* İLETKEN : İnce çok telli Tavlı Bakır İletken (Tip TC ) veya İnce çok telli Kalaylı (Tip BC) Bakır İletken
- \* İZOLE : XLPE
- \* DIŞ KILIF : Polyethylene (PE), PVC veya Halojensiz (HF) malzeme

### CABLE STRUCTURE

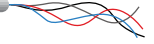
- \* CONDUCTOR : Fine Strand of annealed tinned copper wires (Type TC ) or fine plain copper wires (Type BC )
- \* INSULATION : XLPE
- \* OUTER JACKET : PE, PVC or HF material



### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

- ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE : -25 / +90°C
- ÇALIŞMA GERİLİMİ / RATED VOLTAGE : 600 V
- TEST GERİLİMİ / TEST VOLTAGE : 2 kV
- BÜKME YARI ÇAPI / BENDING RADIUS : 10 x Outer Diameter
- TEST STANDARDI / STANDARD OF TEST : ICEA 5 - 95 - 658 / NEMA WC 71

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric



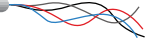
# UNT AGL SECONDARY POWER - C

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C (Ω/km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BCL2 / XLPE / PE	1X2,5 mm <sup>2</sup>	22	38	5,3	7,41	30
BCL2 / XLPE / PE	1X4 mm <sup>2</sup>	36	56	5,9	4,61	40
BCL2 / XLPE / PE	1X6 mm <sup>2</sup>	52	76	6,4	3,08	52
BCL2 / XLPE / PE	1X10 mm <sup>2</sup>	87	125	8,4	1,83	72
BCL2 / XLPE / PE	2X2,5 mm <sup>2</sup>	44	107	9,7	7,41	26
BCL2 / XLPE / PE	2X4 mm <sup>2</sup>	68	140	10,2	4,61	34
BCL2 / XLPE / PE	2X6 mm <sup>2</sup>	104	192	11,6	3,08	44
BCL2 / XLPE / PE	2X10 mm <sup>2</sup>	175	334	15,8	1,83	61
BCL5 / XLPE / PE	1X2,5 mm <sup>2</sup>	20	36	5,3	7,98	30
BCL5 / XLPE / PE	1X4 mm <sup>2</sup>	34	52	5,9	4,95	40
BCL5 / XLPE / PE	1X6 mm <sup>2</sup>	49	70	6,4	3,30	52
BCL5 / XLPE / PE	1X10 mm <sup>2</sup>	82	119	8,4	1,91	72
BCL5 / XLPE / PE	2X2,5 mm <sup>2</sup>	41	102	9,5	7,98	26
BCL5 / XLPE / PE	2X4 mm <sup>2</sup>	64	135	10,0	4,95	34
BCL5 / XLPE / PE	2X6 mm <sup>2</sup>	94	179	9,8	3,30	44
BCL5 / XLPE / PE	2X10 mm <sup>2</sup>	165	321	15,6	1,91	61
BCL2 / XLPE / PVC	1X2,5 mm <sup>2</sup>	22	43	5,1	7,41	30
BCL2 / XLPE / PVC	1X4 mm <sup>2</sup>	36	62	5,7	4,61	40
BCL2 / XLPE / PVC	1X6 mm <sup>2</sup>	52	82	6,3	3,08	52
BCL2 / XLPE / PVC	1X10 mm <sup>2</sup>	87	141	8,2	1,83	72
BCL2 / XLPE / PVC	2X2,5 mm <sup>2</sup>	44	130	9,5	7,41	26
BCL2 / XLPE / PVC	2X4 mm <sup>2</sup>	68	174	10,2	4,61	34
BCL2 / XLPE / PVC	2X6 mm <sup>2</sup>	100	230	12,5	3,08	44
BCL2 / XLPE / PVC	2X10 mm <sup>2</sup>	175	403	15,8	1,83	61
BCL5 / XLPE / PVC	1X2,5 mm <sup>2</sup>	20	41	5,0	7,98	30
BCL5 / XLPE / PVC	1X4 mm <sup>2</sup>	34	58	5,7	4,95	40
BCL5 / XLPE / PVC	1X6 mm <sup>2</sup>	49	76	6,1	3,30	52
BCL5 / XLPE / PVC	1X10 mm <sup>2</sup>	82	125	7,8	1,91	72
BCL5 / XLPE / PVC	2X2,5 mm <sup>2</sup>	41	124	9,3	7,98	26
BCL5 / XLPE / PVC	2X4 mm <sup>2</sup>	64	164	10,3	4,95	34
BCL5 / XLPE / PVC	2X6 mm <sup>2</sup>	94	215	11,4	3,30	44
BCL5 / XLPE / PVC	2X10 mm <sup>2</sup>	165	392	15,8	1,91	61
BAWGB / XLPE / PE	1X12 AWG	31	49	5,7	5,44	36
BAWGB / XLPE / PE	1X10 AWG	48	70	6,3	3,41	48
BAWGB / XLPE / PE	1X8 AWG	76	111	7,8	2,14	64
BAWGB / XLPE / PE	1X6 AWG	119	159	8,7	1,35	86
BAWGB / XLPE / PE	2X12 AWG	60	131	10,2	5,44	30
BAWGB / XLPE / PE	2X10 AWG	96	180	11,4	3,41	40
BAWGB / XLPE / PE	2X8 AWG	152	369	15,4	2,14	54
BAWGB / XLPE / PE	2X6 AWG	240	425	17,3	1,35	72
BAWGC / XLPE / PE	1X12 AWG	31	48	5,4	5,44	36
BAWGC / XLPE / PE	1X10 AWG	48	70	6,2	3,41	48
BAWGC / XLPE / PE	1X8 AWG	75	110	7,7	2,14	64
BAWGC / XLPE / PE	1X6 AWG	120	160	8,5	1,35	86
BAWGC / XLPE / PE	2X12 AWG	61	130	10,3	5,44	30
BAWGC / XLPE / PE	2X10 AWG	96	180	11,5	3,41	40
BAWGC / XLPE / PE	2X8 AWG	151	305	15,3	2,14	54
BAWGC / XLPE / PE	2X6 AWG	240	424	17,0	1,35	72
BAWGB / XLPE / PVC	1X12 AWG	30	56	5,6	5,44	36
BAWGB / XLPE / PVC	1X10 AWG	48	78	6,4	3,41	48



# UNT AGL SECONDARY POWER - C

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C (Ω/km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BAWGB /XLPE / PVC	1X8 AWG	75	118	7,6	2,14	64
BAWGB /XLPE / PVC	1X6 AWG	122	170	8,8	1,35	86
BAWGB /XLPE / PVC	2X12 AWG	60	159	10,2	5,44	30
BAWGB /XLPE / PVC	2X10 AWG	95	215	11,5	3,41	40
BAWGB /XLPE / PVC	2X8 AWG	151	367	15,1	2,14	54
BAWGB /XLPE / PVC	2X6 AWG	240	508	17,4	1,35	72
BAWGC /XLPE / PVC	1X12 AWG	30	54	5,5	5,44	36
BAWGC /XLPE / PVC	1X10 AWG	49	77	6,2	3,41	48
BAWGC /XLPE / PVC	1X8 AWG	75	120	7,6	2,14	64
BAWGC /XLPE / PVC	1X6 AWG	121	172	8,7	1,35	86
BAWGC /XLPE / PVC	2X12 AWG	60	158	10,2	5,44	30
BAWGC /XLPE / PVC	2X10 AWG	95	215	11,3	3,41	40
BAWGC /XLPE / PVC	2X8 AWG	152	365	15,1	2,14	54
BAWGC /XLPE / PVC	2X6 AWG	242	508	17,2	1,35	72
TCL2 /XLPE / PE	1X2,5 mm <sup>2</sup>	22	40	5,2	7,56	30
TCL2 /XLPE / PE	1X4 mm <sup>2</sup>	35	56	5,7	4,70	40
TCL2 /XLPE / PE	1X6 mm <sup>2</sup>	53	77	6,4	3,11	52
TCL2 /XLPE / PE	1X10 mm <sup>2</sup>	88	125	8,1	1,84	72
TCL2 /XLPE / PE	2X2,5 mm <sup>2</sup>	44	106	9,6	7,56	26
TCL2 /XLPE / PE	2X4 mm <sup>2</sup>	70	145	10,7	4,70	34
TCL2 /XLPE / PE	2X6 mm <sup>2</sup>	105	192	11,6	3,11	44
TCL2 /XLPE / PE	2X10 mm <sup>2</sup>	177	340	16,0	1,84	61
TCL5 /XLPE / PE	1X2,5 mm <sup>2</sup>	20	38	5,2	8,21	30
TCL5 /XLPE / PE	1X4 mm <sup>2</sup>	32	52	5,7	5,09	40
TCL5 /XLPE / PE	1X6 mm <sup>2</sup>	49	72	6,3	3,39	52
TCL5 /XLPE / PE	1X10 mm <sup>2</sup>	82	120	8,0	1,95	72
TCL5 /XLPE / PE	2X2,5 mm <sup>2</sup>	40	102	9,4	8,21	26
TCL5 /XLPE / PE	2X4 mm <sup>2</sup>	63	132	10,2	5,09	34
TCL5 /XLPE / PE	2X6 mm <sup>2</sup>	95	181	11,6	3,39	44
TCL5 /XLPE / PE	2X10 mm <sup>2</sup>	167	328	15,9	1,95	61
TCL2 /XLPE / PVC	1X2,5 mm <sup>2</sup>	22	45	5,3	7,56	30
TCL2 /XLPE / PVC	1X4 mm <sup>2</sup>	35	62	5,8	4,70	40
TCL2 /XLPE / PVC	1X6 mm <sup>2</sup>	52	85	6,4	3,11	52
TCL2 /XLPE / PVC	1X10 mm <sup>2</sup>	86	135	8,1	1,84	72
TCL2 /XLPE / PVC	2X2,5 mm <sup>2</sup>	44	135	9,8	7,56	26
TCL2 /XLPE / PVC	2X4 mm <sup>2</sup>	70	180	10,8	4,70	34
TCL2 /XLPE / PVC	2X6 mm <sup>2</sup>	105	230	11,7	3,11	44
TCL2 /XLPE / PVC	2X10 mm <sup>2</sup>	177	410	16,1	1,84	61
TCL5 /XLPE / PVC	1X2,5 mm <sup>2</sup>	20	43	5,1	8,21	30
TCL5 /XLPE / PVC	1X4 mm <sup>2</sup>	33	60	5,7	5,09	40
TCL5 /XLPE / PVC	1X6 mm <sup>2</sup>	48	78	6,3	3,39	52
TCL5 /XLPE / PVC	1X10 mm <sup>2</sup>	80	123	7,7	1,95	72
TCL5 /XLPE / PVC	2X2,5 mm <sup>2</sup>	41	128	9,6	8,21	26
TCL5 /XLPE / PVC	2X4 mm <sup>2</sup>	65	167	10,4	5,09	34
TCL5 /XLPE / PVC	2X6 mm <sup>2</sup>	95	215	11,3	3,39	44
TCL5 /XLPE / PVC	2X10 mm <sup>2</sup>	166	390	15,6	1,95	61
TAWGB /XLPE / PE	1X12 AWG	30	50	5,6	5,64	36
TAWGB /XLPE / PE	1X10 AWG	46	67	6,0	3,54	48



# UNT AGL SECONDARY POWER - C

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C ( $\Omega$ /km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
TAWGB / XLPE / PE	1X8 AWG	76	110	7,7	2,22	64
TAWGB / XLPE / PE	1X6 AWG	122	163	8,8	1,40	86
TAWGB / XLPE / PE	2X12 AWG	60	130	10,3	5,64	30
TAWGB / XLPE / PE	2X10 AWG	96	178	11,5	3,54	40
TAWGB / XLPE / PE	2X8 AWG	151	370	15,3	2,22	54
TAWGB / XLPE / PE	2X6 AWG	240	423	17,1	1,40	72
TAWGC / XLPE / PE	1X12 AWG	30	49	5,5	5,73	36
TAWGC / XLPE / PE	1X10 AWG	47	70	6,1	3,54	48
TAWGC / XLPE / PE	1X8 AWG	75	108	7,6	2,22	64
TAWGC / XLPE / PE	1X6 AWG	120	156	8,3	1,40	86
TAWGC / XLPE / PE	2X12 AWG	60	130	10,2	5,73	30
TAWGC / XLPE / PE	2X10 AWG	95	1480	11,4	3,54	40
TAWGC / XLPE / PE	2X8 AWG	151	300	15,0	2,22	54
TAWGC / XLPE / PE	2X6 AWG	240	423	16,8	1,40	72
TAWGB / XLPE / PVC	1X12 AWG	30	55	5,6	5,64	36
TAWGB / XLPE / PVC	1X10 AWG	48	79	6,4	3,54	48
TAWGB / XLPE / PVC	1X8 AWG	76	120	7,7	2,22	64
TAWGB / XLPE / PVC	1X6 AWG	121	170	8,8	1,40	86
TAWGB / XLPE / PVC	2X12 AWG	60	160	10,2	5,64	30
TAWGB / XLPE / PVC	2X10 AWG	94	212	11,3	3,54	40
TAWGB / XLPE / PVC	2X8 AWG	152	372	15,4	2,22	54
TAWGB / XLPE / PVC	2X6 AWG	240	505	17,1	1,40	72
TAWGC / XLPE / PVC	1X12 AWG	30	54	5,4	5,73	36
TAWGC / XLPE / PVC	1X10 AWG	49	78	6,1	3,54	48
TAWGC / XLPE / PVC	1X8 AWG	75	120	7,7	2,22	64
TAWGC / XLPE / PVC	1X6 AWG	120	170	8,5	1,40	86
TAWGC / XLPE / PVC	2X12 AWG	60	160	10,4	5,73	30
TAWGC / XLPE / PVC	2X10 AWG	96	215	11,5	3,54	40
TAWGC / XLPE / PVC	2X8 AWG	154	370	145,4	2,22	54
TAWGC / XLPE / PVC	2X6 AWG	242	505	17,0	1,40	72

**BCL2:** Çıplak Sınıf 2 Bakır (Bare Class 2 Copper) **TCL2:** Kalaylı Sınıf 2 Bakır (Tinned Class 2 Copper) **BCL5:** Çıplak Sınıf 5 Bakır (Bare Class 5 Copper)

**TCL5:** Kalaylı Sınıf 5 Bakır (Tinned Class 5 Copper) **BAWGB:** Çıplak Sınıf B Bakır (Bare Class B Copper) **TAWGB:** Kalaylı Sınıf B Bakır (Tinned Class B Copper)

**BAWGC:** Çıplak Sınıf C Bakır (Bare Class C Copper) **TAWGC:** Kalaylı Sınıf C Bakır (Tinned Class C Copper) **XLPE:** Çapraz Bağlı Polietilen (Cross-linked Polyethylene)

**PE:** Polietilen (Polyethylene) **PVC:** Polivinil Klorür (Polyvinyl Chloride)



## UNT AGL SECONDARY POWER FLEX – B

**SEKONDER PİST AYDINLATMA KABLOSU – TİP B**  
SECONDARY AIRPORT LIGHTING CABLE – TYPE B

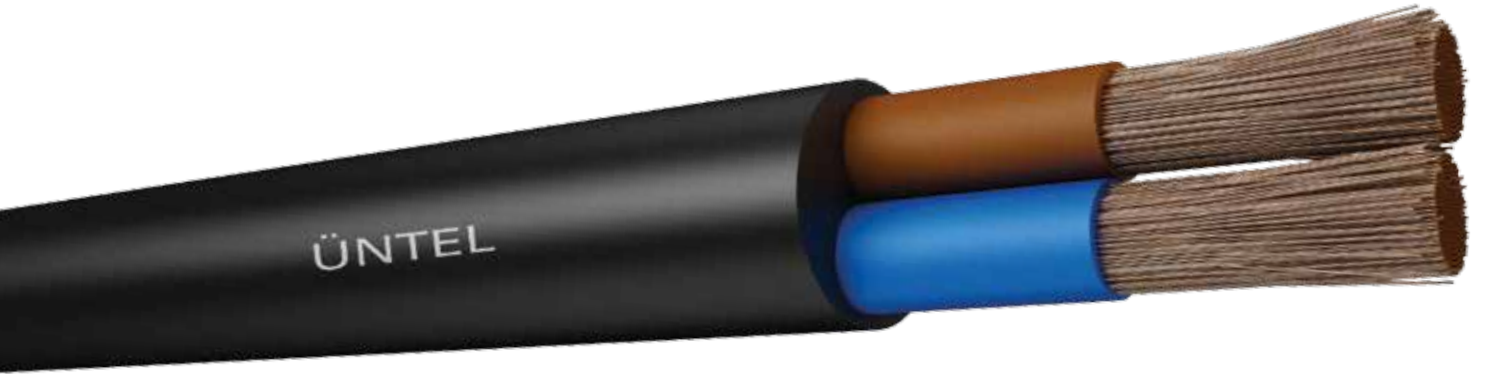
**ICEA S-95-658 / NEMA WC71**  
FAA – L 824 ( AC - 150/5345-7F SPECIFICATION FOR L-824)

### KABLO YAPISI

- \* İLETKEN : İnce çok telli Tavlı Bakır İletken (Tip TB ) veya İnce çok telli Kalaylı (Tip BB) Bakır İletken
- \* İZOLE : EPR Kauçuk
- \* DIŞ KILIF : CR-HD veya CPE – XL veya eşdeğeri malzeme

### CABLE STRUCTURE

- \* CONDUCTOR : Fine Strand of annealed tinned copper wires (Type TC ) or fine plain copper wires (Type BC )
- \* INSULATION : EPR Rubber
- \* OUTER JACKET : CR-HD or CPE – XL or equivalent material



### ÇALIŞMA KARAKTERİSTİKLERİ / OPERATING CHARACTERISTICS

- ÇALIŞMA SICAKLIĞI / CONDUCTOR OPERATING TEMPERATURE : -25 / +90°C
- ÇALIŞMA GERİLİMİ / RATED VOLTAGE : 600 V
- TEST GERİLİMİ / TEST VOLTAGE : 2 kV
- BÜKME YARI ÇAPI / BENDING RADIUS : 10 x Outer Diameter
- TEST STANDARDI / STANDARD OF TEST : ICEA 5 - 95 - 658 / NEMA WC 71

Tüm kesitler AWG ve Metrik olarak sağlanabilir.  
All sizes are available in AWG and Metric

# UNT AGL SECONDARY POWER FLEX - B

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C ( Ω/km)	90 °C İletk. Sic. 45 °C Ortam Sic. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
BCL2 / EPR / PCP - E	1X2,5 mm <sup>2</sup>	23	50	5,2	7,41	30
BCL2 / EPR / PCP - E	1X4 mm <sup>2</sup>	35	70	5,9	4,61	40
BCL2 / EPR / PCP - E	1X6 mm <sup>2</sup>	53	92	6,4	3,08	52
BCL2 / EPR / PCP - E	1X10 mm <sup>2</sup>	88	150	8,2	1,83	72
BCL2 / EPR / PCP - E	2X2,5 mm <sup>2</sup>	45	150	8,8	7,41	26
BCL2 / EPR / PCP - E	2X4 mm <sup>2</sup>	70	198	10,8	4,61	34
BCL2 / EPR / PCP - E	2X6 mm <sup>2</sup>	108	265	12,0	3,08	44
BCL2 / EPR / PCP - E	2X10 mm <sup>2</sup>	178	452	16,2	1,83	61
BCL5 / EPR / PCP - E	1X2,5 mm <sup>2</sup>	21	49	5,2	7,98	30
BCL5 / EPR / PCP - E	1X4 mm <sup>2</sup>	33	68	5,7	4,95	40
BCL5 / EPR / PCP - E	1X6 mm <sup>2</sup>	50	85	6,2	3,30	52
BCL5 / EPR / PCP - E	1X10 mm <sup>2</sup>	80	135	7,7	1,91	72
BCL5 / EPR / PCP - E	2X2,5 mm <sup>2</sup>	40	135	8,7	7,98	26
BCL5 / EPR / PCP - E	2X4 mm <sup>2</sup>	68	192	10,2	4,95	34
BCL5 / EPR / PCP - E	2X6 mm <sup>2</sup>	98	252	11,7	3,30	44
BCL5 / EPR / PCP - E	2X10 mm <sup>2</sup>	174	435	15,5	1,91	61
BAWGB / EPR / PCP - E	1X12 AWG	30	60	5,5	5,44	36
BAWGB / EPR / PCP - E	1X10 AWG	48	85	6,4	3,41	48
BAWGB / EPR / PCP - E	1X8 AWG	76	138	7,9	2,14	64
BAWGB / EPR / PCP - E	1X6 AWG	118	185	8,7	1,35	86
BAWGB / EPR / PCP - E	2X12 AWG	60	179	10,4	5,44	30
BAWGB / EPR / PCP - E	2X10 AWG	96	342	11,7	3,41	40
BAWGB / EPR / PCP - E	2X8 AWG	151	410	15,5	2,14	54
BAWGB / EPR / PCP - E	2X6 AWG	243	547	17,5	1,35	72
BAWGC / EPR / PCP - E	1X12 AWG	31	60	5,5	5,44	36
BAWGC / EPR / PCP - E	1X10 AWG	46	83	6,2	3,41	48
BAWGC / EPR / PCP - E	1X8 AWG	77	142	8,1	2,14	64
BAWGC / EPR / PCP - E	1X6 AWG	118	186	8,7	1,35	86
BAWGC / EPR / PCP - E	2X12 AWG	60	177	10,2	5,44	30
BAWGC / EPR / PCP - E	2X10 AWG	98	345	11,8	3,41	40
BAWGC / EPR / PCP - E	2X8 AWG	152	411	15,5	2,14	54
BAWGC / EPR / PCP - E	2X6 AWG	345	550	17,6	1,35	72
TCL2 / EPR / PCP - E	1X2,5 mm <sup>2</sup>	22	52	5,3	7,56	30
TCL2 / EPR / PCP - E	1X4 mm <sup>2</sup>	36	75	5,8	4,70	40
TCL2 / EPR / PCP - E	1X6 mm <sup>2</sup>	53	90	6,3	3,11	52
TCL2 / EPR / PCP - E	1X10 mm <sup>2</sup>	88	154	8,2	1,84	72
TCL2 / EPR / PCP - E	2X2,5 mm <sup>2</sup>	43	158	9,6	7,56	26
TCL2 / EPR / PCP - E	2X4 mm <sup>2</sup>	70	208	10,9	4,70	34
TCL2 / EPR / PCP - E	2X6 mm <sup>2</sup>	105	263	11,9	3,11	44
TCL2 / EPR / PCP - E	2X10 mm <sup>2</sup>	175	453	16,1	1,84	61
TCL5 / EPR / PCP - E	1X2,5 mm <sup>2</sup>	20	52	5,1	8,21	30
TCL5 / EPR / PCP - E	1X4 mm <sup>2</sup>	32	70	5,7	5,09	40
TCL5 / EPR / PCP - E	1X6 mm <sup>2</sup>	47	94	6,3	3,39	52
TCL5 / EPR / PCP - E	1X10 mm <sup>2</sup>	82	147	8,1	1,95	72
TCL5 / EPR / PCP - E	2X2,5 mm <sup>2</sup>	41	145	9,4	8,21	26
TCL5 / EPR / PCP - E	2X4 mm <sup>2</sup>	65	190	10,5	5,09	34
TCL5 / EPR / PCP - E	2X6 mm <sup>2</sup>	97	243	11,5	3,39	44
TCL5 / EPR / PCP - E	2X10 mm <sup>2</sup>	167	432	15,7	1,95	61
TAWGB / EPR / PCP - E	1X12 AWG	30	65	5,6	5,64	36
TAWGB / EPR / PCP - E	1X10 AWG	48	91	6,2	3,54	48



## UNT AGL SECONDARY POWER FLEX – B

Yapı Construction	Kesit Cross Section	Bakır Faktörü Copper Factor kg/km	Ağırlık (Yaklaşık) Weight (Approx) kg/km	Dış Çap (Yaklaşık) Outer Dia (Approx) mm	20 °C'da Max. İletk. DC Dir. Max. Con. DC R. at 20 °C ( $\Omega$ /km)	90 °C İletk. Sıc. 45 °C Ortam Sıc. Max. Akım. T. K. 90 °C Cond. Tem. 45 °C Amb. Tem. Max. Curr. D. R.
TAWGB / EPR / PCP - E	1X8 AWG	76	142	7,8	2,22	64
TAWGB / EPR / PCP - E	1X6 AWG	120	196	8,8	1,40	86
TAWGB / EPR / PCP - E	2X12 AWG	60	186	10,5	5,64	30
TAWGB / EPR / PCP - E	2X10 AWG	95	243	11,6	3,54	40
TAWGB / EPR / PCP - E	2X8 AWG	154	420	15,6	2,22	54
TAWGB / EPR / PCP - E	2X6 AWG	242	548	17,5	1,40	72
TAWGC / EPR / PCP - E	1X12 AWG	30	68	5,5	5,73	36
TAWGC / EPR / PCP - E	1X10 AWG	49	96	6,2	3,54	48
TAWGC / EPR / PCP - E	1X8 AWG	77	142	7,8	2,22	64
TAWGC / EPR / PCP - E	1X6 AWG	120	196	8,8	1,40	86
TAWGC / EPR / PCP - E	2X12 AWG	60	187	10,4	5,73	30
TAWGC / EPR / PCP - E	2X10 AWG	95	248	11,6	3,54	40
TAWGC / EPR / PCP - E	2X8 AWG	153	395	15,3	2,22	64
TAWGC / EPR / PCP - E	2X6 AWG	242	555	17,3	1,40	72

**BCL2:** Çıplak Sınıf 2 Bakır (Bare Class 2 Copper) **TCL2:** Kalaylı Sınıf 2 Bakır (Tinned Class 2 Copper) **BCL5:** Çıplak Sınıf 5 Bakır (Bare Class 5 Copper)

**TCL5:** Kalaylı Sınıf 5 Bakır (Tinned Class 5 Copper) **BAWGB:** Çıplak Sınıf B Bakır (Bare Class B Copper) **TAWGB:** Kalaylı Sınıf B Bakır (Tinned Class B Copper)

**BAWGC:** Çıplak Sınıf C Bakır (Bare Class C Copper) **TAWGC:** Kalaylı Sınıf C Bakır (Tinned Class C Copper) **EPR:** Etilen Propilen Kauçuk (Ethylene Propylene Rubber)

**PCP - E:** Polikloropren veya Muadili Kauçuk (Polychloroprene or Equivalent Rubber)





## 400 Hz. UÇAK GÜÇ VE KONTROL KABLOLARI

400 Hz AIRPLANE POWER AND CONTROL CABLES



## UNTJet – U11 HF 4x1x70 + 4x1

400 HZ KALAYLI ve HALOJENSİZ GÜÇ VE KONTROL KABLOSU

400 HZ TINNED AND HALOGEN FREE GROUND POWER SUPPLY CABLE WITH CONTROL WIRES



### DİZAYN / DESIGN

#### 70 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 70 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 6 / Tinned fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,277

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

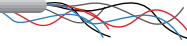
- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 5 / Tinned fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 20,0

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,6
- \* RENK / COLOR : Siyah, Kırmızı, Sarı, Yeşil / Black, Red, Yellow, Green

#### İÇ KILIF / INNER SHEATH

- \* MALZEME / MATERIAL : PUR
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -55°C to +80°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,70
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 15,10 ±%5
- \* RENK / COLOR : Naturel / Natural



## DIŐ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĐI / TEMPERATURE RANGE	: -55°C to +80°C
* ET KALINLIĐI (mm) / WALL THICKNESS (mm)	: 1,50
* DIŐ ÇAP (mm) / OUTER DIAMETER (mm)	: 18,7 ±%5
* RENK / COLOR	: Turuncu ya da Sarı / Orange or Yellow

## UII HF 70+4X1 'IN 4 PARÇASININ BÜKÜMÜ / TWISTING PF 4 PCS. OF UII HF 70+4X1

* 4'LÜNÜN DIŐ ÇAPI (mm) / OUTER DIAMETER OF QUAD (mm)	: 45,0 ±3,0
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## DİĐER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĐI / VOLTAGE RANGE	600 / 1000V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 - V
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	250 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1
* HALOJEN İÇERİĐİ / HALOGEN CONTENT	<400 ppm
* +20°C SICAKLIKTA DİRENÇ / RESISTANCE AT +20°C	0,277 ±0,01 Ω/km
* +70°C SICAKLIKTA DİRENÇ / RESISTANCE AT +70°C	0,330 ±0,01 Ω/km
* TOPLAM AĐIRLIK / WEIGHT TOTAL	3460 kg/km

### YAKLAŐIK DEĐER / NOMINAL VALUE

## UNTJet – UII HF 4x1x95 + 4x1

400 HZ KALAYLI ve HALOJENSİZ GÜÇ VE KONTROL KABLOSU

400 HZ TINNED AND HALOGEN FREE GROUND POWER SUPPLY CABLE WITH CONTROL WIRES



### DİZAYN / DESIGN

#### 95 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 95 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 6 / Tinned fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,30
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,210

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

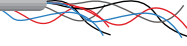
- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 5 / Tinned fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 20,0

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,6
- \* RENK / COLOR : Siyah, Kırmızı, Sarı, Yeşil / Black, Red, Yellow, Green

#### İÇ KILIF / INNER SHEATH

- \* MALZEME / MATERIAL : PUR
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -55°C to +80°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,70
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 18,90 ±%5
- \* RENK / COLOR : Naturel / Natural



## DIŐ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĐI / TEMPERATURE RANGE	: -55°C to +80°C
* ET KALINLIĐI (mm) / WALL THICKNESS (mm)	: 1,30
* DIŐ ÇAP (mm) / OUTER DIAMETER (mm)	: 21,5 ±%5
* RENK / COLOR	: Turuncu ya da Sarı / Orange or Yellow

## UII HF 95+4X1 'IN 4 PARÇASININ BÜKÜMÜ / TWISTING PF 4 PCS. OF UII HF 95+4X1

* 4'LÜNÜN DIŐ ÇAPI (mm) / OUTER DIAMETER OF QUAD (mm)	: 52 ±3,0
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## DIĐER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĐI / VOLTAGE RANGE	600 / 1000V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 - V
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	300 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1
* HALOJEN İÇERİĐİ / HALOGEN CONTENT	<400 ppm
* +20°C SICAKLIKTA DİRENÇ / RESISTANCE AT +20°C	0,210 ± 0,01 Ω/km
* +70°C SICAKLIKTA DİRENÇ / RESISTANCE AT +70°C	0,251 ± 0,01 Ω/km
* TOPLAM AĐIRLIK / WEIGHT TOTAL	4160 kg / km

### YAKLAŐIK DEĐER / NOMINAL VALUE

## UNTJet – UII HF 35 + 4x1

400 HZ KALAYLI ve HALOJENSİZ GÜÇ VE KONTROL KABLOSU

400 HZ TINNED AND HALOGEN FREE GROUND POWER SUPPLY CABLE WITH CONTROL WIRES



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 35 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 6 / Tinned fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,565

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 5 / Tinned fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 20,0

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,6
- \* RENK / COLOR : Siyah, Kırmızı, Sarı, Yeşil / Black, Red, Yellow, Green

#### İÇ KILIF / INNER SHEATH

- \* MALZEME / MATERIAL : PUR
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -55°C to +80°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,70
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 11,90 ±%5
- \* RENK / COLOR : Naturel / Natural



## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +80°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,50
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 14,90 ±%5
* RENK / COLOR	: Turuncu / Orange

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĞI / VOLTAGE RANGE	1000V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 - V
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	60 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1
* HALOJEN İÇERİĞİ / HALOGEN CONTENT	<400 ppm
* +20°C SICAKLIKTA DİRENÇ / RESISTANCE AT +20°C	0,565 ± 0,01 Ω/km
* +70°C SICAKLIKTA DİRENÇ / RESISTANCE AT +70°C	0,676± 0,01 Ω/km
* TOPLAM AĞIRLIK / WEIGHT TOTAL	470 kg / km

### YAKLAŞIK DEĞER / NOMINAL VALUE

1000V
4000 - V
60 mm
IEC 60332-1
<400 ppm
0,565 ± 0,01 Ω/km
0,676± 0,01 Ω/km
470 kg / km

## 400 HZ. UÇAK GÜÇ VE KONTROL KABLOLARI

# UNTJet – U11 HF 50 + 4x1

### 400 HZ KALAYLI ve HALOJENSİZ GÜÇ VE KONTROL KABLOSU

400 HZ TINNED AND HALOGEN FREE GROUND POWER SUPPLY CABLE WITH CONTROL WIRES



### DİZAYN / DESIGN

#### 50 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 50 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 6 / Tinned fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,393

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 5 / Tinned fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 20,0

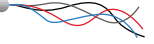
#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,6
- \* RENK / COLOR : Siyah, Kırmızı, Sarı, Yeşil / Black, Red, Yellow, Green

#### İÇ KILIF / INNER SHEATH

- \* MALZEME / MATERIAL : PUR
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -55°C to +80°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,70
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 12,00 ±%5
- \* RENK / COLOR : Naturel / Natural





## DIŐ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĐI / TEMPERATURE RANGE	: -55°C to +80°C
* ET KALINLIĐI (mm) / WALL THICKNESS (mm)	: 1,50
* DIŐ ÇAP (mm) / OUTER DIAMETER (mm)	: 17,50 ±%5
* RENK / COLOR	: Turuncu / Orange

## DIĐER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĐI / VOLTAGE RANGE	1000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	58 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1
* HALOJEN İÇERİĐİ / HALOGEN CONTENT	<400 ppm
* +20°C SICAKLIKTA DİRENÇ / RESISTANCE AT +20°C	0,393 ± 0,01 Ω/km
* +70°C SICAKLIKTA DİRENÇ / RESISTANCE AT +70°C	0,470 ± 0,01 Ω/km
* TOPLAM AĐIRLIK / WEIGHT TOTAL	625 kg / km

### YAKLAŐIK DEĐER / NOMINAL VALUE

## 400 HZ. UÇAK GÜÇ VE KONTROL KABLolarI

# UNTJet – U11 HF 70 + 4x1

### 400 HZ KALAYLI ve HALOJENSİZ GÜÇ VE KONTROL KABLOSU

400 HZ TINNED AND HALOGEN FREE GROUND POWER SUPPLY CABLE WITH CONTROL WIRES



### DİZAYN / DESIGN

#### 70 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 70 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 6 / Tinned fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,277

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 5 / Tinned fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 20,0

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,6
- \* RENK / COLOR : Siyah, Kırmızı, Sarı, Yeşil / Black, Red, Yellow, Green

#### İÇ KILIF / INNER SHEATH

- \* MALZEME / MATERIAL : PUR
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -55°C to +80°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,70
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 15,10 ±%5
- \* RENK / COLOR : Naturel / Natural



## DIŐ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĐI / TEMPERATURE RANGE	: -55°C to +80°C
* ET KALINLIĐI (mm) / WALL THICKNESS (mm)	: 1,50
* DIŐ ÇAP (mm) / OUTER DIAMETER (mm)	: 18,70 ±%5
* RENK / COLOR	: Turuncu / Orange

## DIĐER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĐI / VOLTAGE RANGE	600 / 1000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	65 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1
* HALOJEN İÇERİĐİ / HALOGEN CONTENT	<400 ppm
* +20°C SICAKLIKTA DİRENÇ / RESISTANCE AT +20°C	0,277 ± 0,01 Ω/km
* +70°C SICAKLIKTA DİRENÇ / RESISTANCE AT +70°C	0,331 ± 0,01 Ω/km
* TOPLAM AĐIRLIK / WEIGHT TOTAL	840 kg / km

### YAKLAŐIK DEĐER / NOMINAL VALUE

## 400 HZ. UÇAK GÜÇ VE KONTROL KABLolarI

# UNTJet – Ull HF 95 + 4x1

### 400 HZ KALAYLI ve HALOJENSİZ GÜÇ VE KONTROL KABLOSU

400 HZ TINNED AND HALOGEN FREE GROUND POWER SUPPLY CABLE WITH CONTROL WIRES



### DİZAYN / DESIGN

#### 95 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 95 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 6 / Tinned fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,30
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,210

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 5 / Tinned fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 20,0

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,6
- \* RENK / COLOR : Siyah, Kırmızı, Sarı, Yeşil / Black, Red, Yellow, Green

#### İÇ KILIF / INNER SHEATH

- \* MALZEME / MATERIAL : PUR
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -55°C to +80°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,70
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 18,90 ±%5
- \* RENK / COLOR : Naturel / Natural



## DIŐ KILIF / OUTER SHEATH

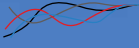
* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĐI / TEMPERATURE RANGE	: -55°C to +80°C
* ET KALINLIĐI (mm) / WALL THICKNESS (mm)	: 1,50
* DIŐ ÇAP (mm) / OUTER DIAMETER (mm)	: 22,00 ±%5
* RENK / COLOR	: Turuncu / Orange

## DIĐER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĐI / VOLTAGE RANGE	600 / 1000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	86 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1
* HALOJEN İÇERİĐİ / HALOGEN CONTENT	<400 ppm
* +20°C SICAKLIKTA DİRENÇ / RESISTANCE AT +20°C	0,210 ± 0,01 Ω/km
* +70°C SICAKLIKTA DİRENÇ / RESISTANCE AT +70°C	0,251 ± 0,01 Ω/km
* TOPLAM AĐIRLIK / WEIGHT TOTAL	1030 kg / km

### YAKLAŐIK DEĐER / NOMINAL VALUE







## UNTJet – UII HF 120 + 4x1

400 HZ KALAYLI ve HALOJENSİZ GÜÇ VE KONTROL KABLOSU

400 HZ TINNED AND HALOGEN FREE GROUND POWER SUPPLY CABLE WITH CONTROL WIRES



### DİZAYN / DESIGN

#### 120 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 95 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 6 / Tinned fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,164

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 5 / Tinned fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 20,0

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -40°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,7
- \* RENK / COLOR : Siyah, Kırmızı, Sarı, Yeşil / Black, Red, Yellow, Green

### İÇ KILIF / INNER SHEATH

- \* MALZEME / MATERIAL : TPU
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -55°C to +85°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,70
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 19,50 ±%5
- \* RENK / COLOR : Naturel / Natural





## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: TPU
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +85°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,30
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 22,00 ±%5
* RENK / COLOR	: Turuncu / Orange

## DiĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	292 A
* TİP VOLTAJ TESTİ 15 DK. / TYPE VOLTAGE TEST	4000 V
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	120 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1
* HALOJEN ÖZELLİĞİ / HALOGEN CONTENT	<400 ppm
* +20°C SICAKLIKTA DİRENÇ / RESISTANCE AT +20°C	0,164 Ω / km
* +70°C SICAKLIKTA DİRENÇ / RESISTANCE AT +70°C	0,196 Ω / km
* TOPLAM AĞIRLIK / WEIGHT TOTAL	1450 kg / km



# UNTJet – UXI 400 Hz SPLIT CONCENTRIC 3x50 + 10x2,5 + 8x1

400HZ KONSANTRİK HALOJENSİZ HAVAALANI KABLOSU

400 HZ SPLIT CONCENTRIC HALOGEN FREE AIRPORT CABLE



## DİZAYN / DESIGN

### 50 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 50 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 6 / Tinned fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,393

### 10\*2,5 mm<sup>2</sup> ESNEK İLETKEN / 10\*2,5 mm<sup>2</sup> FLEXIBLE CONDUCTOR

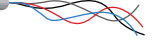
- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 5 / Tinned fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,25
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 8,21

### 8\*1 mm<sup>2</sup> ESNEK İLETKEN / 8\*1 FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Klas 5 / Tinned, fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,23
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 20,0

### 50 MM<sup>2</sup> İZOLE / INSULATION OF 50 MM<sup>2</sup>

- \* MALZEME / MATERIAL : TPE
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -40°C to + 85°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,4
- \* RENK / COLOR : Şeffaf / Natural



## 1MM<sup>2</sup> İZOLE / INSULATION OF 1MM<sup>2</sup>

* MALZEME / MATERIAL	: XLPE
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -40°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 0,40
* RENK / COLOR	: Beyaz izole damarlar üzerine siyah numaralı (1-8) White with black numbers on white insulation (1-8)

## 2 KAT PUR DIŞ KILIF / TWO LAYER PUR OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -40°C to +85°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 2,2
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 21,00 ± 2,00
* RENK / COLOR	: Müşteri seçimine göre / Customers Choice

## 3 ANA DAMAR 50+10X2,5+8X1 BÜKÜLÜ YAPI DEĞERLERİ / TWISTING OF 3 PCS. OF SPLIT CONCENTRIC 3x50+10X2,5+8X1

* 3'LÜ BÜKÜLÜ YAPI DIŞ ÇAPI / OUTER DIAMETER OF TRIPLE	: 45,00 ± 3,00
* Lay Uzunluğu / Lay Lenght	: 450 ± 100,0

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 15 MIN.	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPERATURE FOR 5 SEC.	250°C
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	219 A
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	135 mm
* TOPLAM AĞIRLIK / WEIGHT TOTAL	1050 kg / km

### YAKLAŞIK DEĞER / NOMINAL VALUE



# UNTJet – UXI 400 Hz SPLIT CONCENTRIC 3x70 + 10x2,5 + 8x1

400HZ KONSANTRİK HALOJENSİZ HAVAALANI KABLOSU

400 HZ SPLIT CONCENTRIC HALOGEN FREE AIRPORT CABLE



### DİZAYN / DESIGN

#### 70 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 70 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 6 / Tinned fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,277

#### 10\*2,5 mm<sup>2</sup> ESNEK İLETKEN / 10\*2,5 mm<sup>2</sup> FLEXIBLE CONDUCTOR

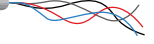
- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 5 / Tinned fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,25
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 8,21

#### 8\*1 mm<sup>2</sup> ESNEK İLETKEN / 8\*1 FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Kalaylı, bükülü bakır IEC 60228, Sınıf 5 / Tinned, fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,23
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 20,0

#### 50 MM<sup>2</sup> İZOLE / INSULATION OF 50 MM<sup>2</sup>

- \* MALZEME / MATERIAL : TPE
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -40°C to + 85°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,4
- \* RENK / COLOR : Şeffaf / Natural



## 1MM<sup>2</sup> İZOLE / INSULATION OF 1MM<sup>2</sup>

* MALZEME / MATERIAL	: XLPE
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -40°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 0,40
* RENK / COLOR	: Beyaz izole damarlar üzerine siyah numaralı (1-8) White with black numbers on white insulation (1-8)

## 2 KAT PUR DIŞ KILIF / TWO LAYER PUR OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -40°C to +85°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 2,2
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 22,20 ± 1,0
* RENK / COLOR	: Müşteri seçimine göre / Customers Choice

## 3 ANA DAMAR 50+10X2,5+8X1 BÜKÜLÜ YAPI DEĞERLERİ / TWISTING OF 3 PCS. OF SPLIT CONCENTRIC 3x70+10X2,5+8X1

* 3'LÜ BÜKÜLÜ YAPI DIŞ ÇAPI / OUTER DIAMETER OF TRIPLE	: 48,00 ± 3,00
* Lay Uzunluğu / Lay Length	: 500 ± 100,0

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

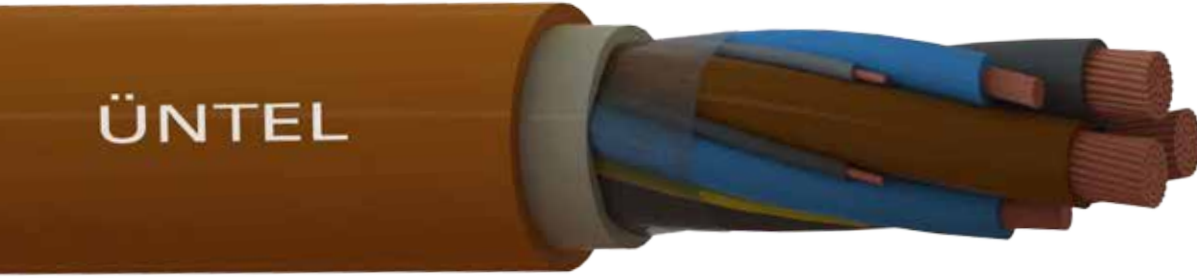
* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 15 MIN.	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPERATURE FOR 5 SEC.	250°C
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	OK
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	280 A
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	155 mm
* TOPLAM AĞIRLIK / WEIGHT TOTAL	1340 kg / km

## 400 Hz. UÇAK GÜÇ VE KONTROL KABLOLARI

# UNTJet – 400 Hz POWER 3x50 + 3x16 + 6x1

400HZ GÜÇ BESLEME KABLOSU

400 HZ GROUND POWER SUPPLY CABLE



### DİZAYN / DESIGN

#### 50 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 50 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,386

#### 16 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 16 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

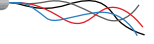
- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 1,21

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare, fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 19,5

#### 50 mm<sup>2</sup> İZOLE / INSULATION OF 50 mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to + 90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,1
- \* RENK / COLOR : Kahverengi, Siyah, Siyah / Beyaz / Brown, Black, Black / White



## 16 mm<sup>2</sup> İZOLE / INSULATION OF 16 mm<sup>2</sup>

* MALZEME / MATERIAL	: XLPE 90°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -45°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,1
* RENK / COLOR	: Açık Mavi / Light Blue

## 1mm<sup>2</sup> İZOLE / INSULATION OF 1mm<sup>2</sup>

* MALZEME / MATERIAL	: PVC 90°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -30°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 0,6
* RENK / COLOR	: Siyah, Gri, Kırmızı, Mavi, Kahverengi , Sarı Black, Grey, Red, Blue, Brown, Yellow

## İÇ KILIF / INNER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +80°C
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 30,40 ± %5
* RENK / COLOR	: Naturel / Natural

## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +80°C
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 42,00 ± %5
* RENK / COLOR	: Turuncu / Orange

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĞI / VOLTAGE RANGE	1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 15 MIN.	3500 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	202 A
* 5 SANİYELİK KISA DEVRE AKIMI / SHORT-CIRCUIT CURRENT FOR 5 SECONDS	3,2 kA
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	136 mm
* 20 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 20 °C	0,386 ± 0,01 Ω/km
* 70 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 70 °C	0,462 ± 0,01 Ω/km
* ENDÜKTANS / INDUCTANCE	0,090 mH/km
* EMPEDANS / IMPEDANCE	0,427 Ω/km
* VOLTAJ DÜŞÜŞÜ $\Phi=0,8$ / VOLTAGE DROP, $\Phi=0,8$	0,37 mV/A
* VOLTAJ DÜŞÜŞÜ $\Phi=0,8$ , 90 KW, 25 METRE, UO VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	3,45 V
* TOPLAM AĞIRLIK / WEIGHT TOTAL	2250 Kg/km

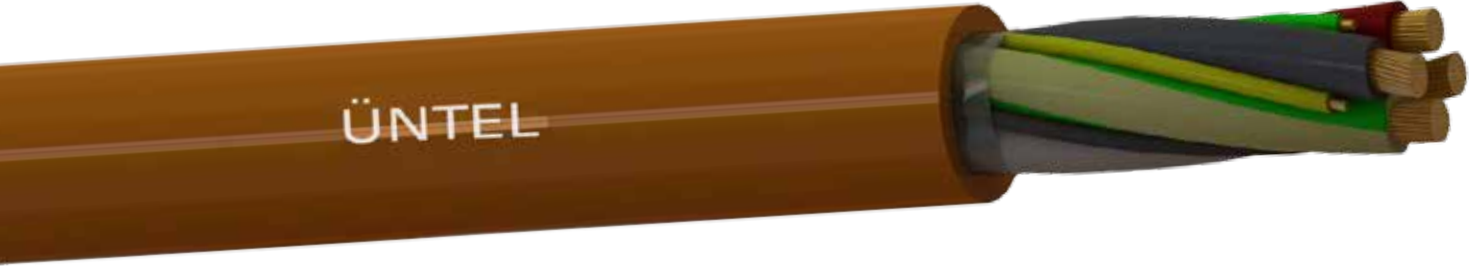
### YAKLAŞIK DEĞER / NOMINAL VALUE



## UNTJet – 400 Hz POWER UXI 4G10+4x1

SAVAŞ UÇAKLARI İÇİN 400 HZ GÜÇ BESLEME KABLOSU

400 HZ GROUND POWER SUPPLY CABLE FOR JET FIGHTERS



### DİZAYN / DESIGN

#### 10 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 10 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 1,91

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Klas 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 19,5

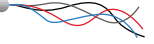
#### 10 mm<sup>2</sup> İZOLE / INSULATION OF 10 mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to + 90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,00
- \* RENK / COLOR : Kahverengi, Siyah, Siyah / Beyaz / Brown, Black, Black / White

#### 1mm<sup>2</sup> İZOLE / INSULATION OF 1mm<sup>2</sup>

- \* MALZEME / MATERIAL : PVC 100°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +100°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,4
- \* RENK / COLOR : Beyaz izole damarlar üzerine siyah numaralama (1-24)  
Black numbers on White insulation cores (1-24)





## DIŐ KILIF / OUTER SHEATH

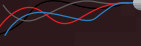
* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĐI / TEMPERATURE RANGE	: -55°C to +80°C
* ET KALINLIĐI (mm) / WALL THICKNESS (mm)	: 19,70 + 1,0
* RENK / COLOR	: MűŐteri seĐimi / Customer Choice

## DİĐER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĐI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 15 MIN.	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĐINDA MAKS. SÜREKLİ AKIM TAŐIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	74 A
* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPETURE FOR 5 SECONDS	250°C
* 5 SANİYELİK KISA DEVRE AKIMI / SHORT CIRCUIT CURRENT FOR 5 SECONDS	1,2 kA
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	79 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	OK IEC 60332-1
* 20 °C SICAKLIKTA 2 ÇEKİRDEĐİN DİRENCİ / RESISTANCE 2 CORE AT 20 °C	1,91 Ω/km
* 70 °C SICAKLIKTA 2 ÇEKİRDEĐİN DİRENCİ / RESISTANCE 2 CORE AT 70 °C	2,28 Ω/km
* TOPLAM AĐIRLIK / WEIGHT TOTAL	730 Kg/km

### YAKLAŐIK DEĐER / NOMINAL VALUE

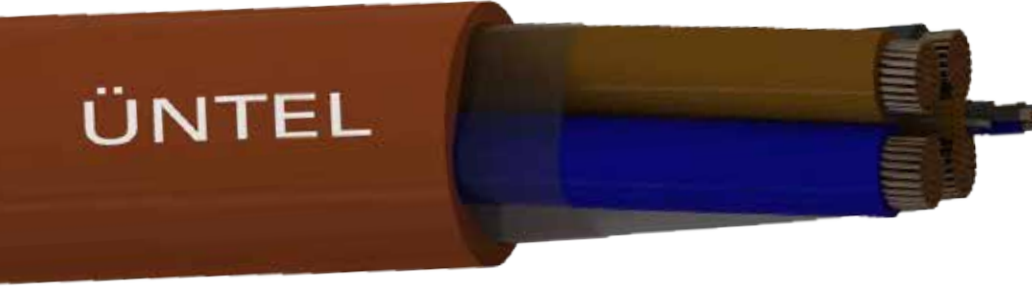




## 400 HZ. UÇAK GÜÇ VE KONTROL KABLolarI

# UNTJet – 400 Hz POWER UXI 4x35+3x1,5 EMC

400 HZ YÜKSEK AKIM İÇİN GÜÇ BESLEME KABLOSU (HELİKOPTERLER İÇİN KUMANDA KABLOLU)  
AIRCRAFT 400 HZ GROUND POWER SUPPLY CABLE FOR HIGH CURRENT, WITH CONTROL WIRES  
FOR HELICOPTERS



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 35 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,554

#### 1,5 mm<sup>2</sup> ESNEK İLETKEN / 1,5 mm<sup>2</sup> FLEXIBLE CONDUCTOR

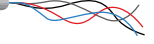
- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,25
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 13,3

#### 35 mm<sup>2</sup> İZOLE / INSULATION OF 35 mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to + 90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,2
- \* RENK / COLOR : Açık Mavi , Siyah , Kahverengi , Beyaz / Light Blue, Black, Brown, White

#### 1,5 mm<sup>2</sup> İZOLE / INSULATION OF 1,5 mm<sup>2</sup>

- \* MALZEME / MATERIAL : PVC 100°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,4
- \* RENK / COLOR : Mavi, Kahverengi, Siyah  
Blue, Brown, Black



## EMC İÇİN ÖRGÜ EKLAN / BRAIDING FOR EMC

\* Kalaylı Bakır ile örgü ekran 24\*9\*0,15 mm, %85 kaplama / Braiding screen of tinned copper wire, 85% covering

## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +80°C
* DIŞ ÇAPI (mm) / OUTER DIAMETER (mm)	: 34,80 +1,0
* RENK / COLOR	: Müşteri seçimi / Customer Choice

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 15 MIN.	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	162 A
* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPERATURE FOR 5 SECONDS	250° C
* 5 SANİYELİK KISA DEVRE AKIMI / SHORT CIRCUIT CURRENT FOR 5 SECONDS	4,2 kA
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	190 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	OK IEC 60332-1
* TOPLAM AĞIRLIK / WEIGHT TOTAL	1480 Kg/km

## UNTJet – 400 Hz POWER UXI 7x35 + 18x1

400 HZ UÇAK GÜÇ BESLEME KABLOSU

400 HZ AIRCRAFT GROUND POWER SUPPLY CABLE



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 35 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,554

#### 1,00 mm<sup>2</sup> ESNEK İLETKEN / 1,00 mm<sup>2</sup> FLEXIBLE CONDUCTOR

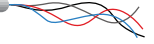
- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 19,5

#### 35 mm<sup>2</sup> İZOLE / INSULATION OF 35 mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to + 90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,1
- \* RENK / COLOR : Açık Mavi, 2x Siyah, 2x Kahverengi, 2x Beyaz / Light Blue, 2x Black, 2x Brown, 2x White

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1 mm<sup>2</sup>

- \* MALZEME / MATERIAL : PVC 100°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,4
- \* RENK / COLOR : Siyah, Gri, Kırmızı, Mavi, Kahverengi, Sarı, Yeşil, Turuncu, Pembe, Siyah/Beyaz, Beyaz/ Kırmızı, Beyaz / Mavi , Beyaz/Kahverengi, Beyaz/Sarı, Beyaz/Yeşil, Beyaz/Turuncu Beyaz/ Pembe  
Black, Grey, Red, Blue, Brown, Yellow, Green, Orange, Pink, White/Black, White/Grey, White/Red, White/Blue, White/Brown, White/Yellow, White/Green, White/Orange, White/Pink



## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +80°C
* DIŞ ÇAPI (mm) / OUTER DIAMETER (mm)	: 36,00 +1,0
* RENK / COLOR	: Müşteri seçimi / Customer Choice

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	324 A
* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPERATURE FOR 5 SEC	250°C
* 5 SANİYELİK KISA DEVRE AKIMI / SHORT-CIRCUIT CURRENT FOR 5 SECONDS	4,2 kA
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	114 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	OK IEC 60332-1
* 20 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 20 °C	0,554 Ω/km
* 70 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 70 °C	0,662 Ω/km
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/km
* ENDÜKTANS / INDUCTANCE	0,093 mH/km
* EMPEDANS / IMPEDANCE	0,357 Ω/km
* VOLTAJ DÜŞÜŞÜ $\Phi=0,8$ / VOLTAGE DROP, $\Phi=0,8$	0,61 mV/Am
* VOLTAJ DÜŞÜŞÜ $\Phi=0,8$ , 90 KW, 25 METRE, UO VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	2,87 V
* TOPLAM AĞIRLIK / WEIGHT TOTAL	330 Kg/km

## UNTJet - 400 Hz POWER UXI 7x35 + 24x1

400 HZ UÇAK GÜÇ BESLEME KABLOSU

400 HZ AIRCRAFT GROUND POWER SUPPLY CABLE



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 35 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,554

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 19,5

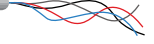
#### 35 mm<sup>2</sup> İZOLE / INSULATION OF 35 mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to + 90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,1
- \* RENK / COLOR : Açık Mavi, 2x Siyah, 2xKahverengi, 2x Beyaz / Light Blue, 2xBlack, 2xBrown, 2xWhite

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1 mm<sup>2</sup>

- \* MALZEME / MATERIAL : PVC 100°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,4
- \* RENK / COLOR : Beyaz izole damarlar üzerine siyah numaralama (1-24)  
Black numbers on White insulation cores (1-24)





## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +80°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 36,50 +1,0
* RENK / COLOR	: Turuncu / Orange

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTIN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	324 A
* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPERATURE FOR 5 SEC	250°C
* 5 SANİYELİK KISA DEVRE AKIMI / SHORT-CIRCUIT CURRENT FOR 5 SECONDS	4,2 kA
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	114 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	OK IEC 60332-1
* 20 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 20 °C	0,554 Ω/km
* 70 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 70 °C	0,662 Ω/km
* KARŞILIKLI KAPASİTE / MUTUAL CAPACITANCE	120 nF/km
* ENDÜKTANS / INDUCTANCE	0,093 mH/km
* EMPEDANS / IMPEDANCE	0,357 Ω/km
* GERİLİM DÜŞÜŞÜ $\Phi=0,8$ / VOLTAGE DROP, $\Phi=0,8$	0,61 mV/Am
* GERİLİM DÜŞÜMÜ $\Phi=0,8$ , 90KW, 25 METER, UO VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	2,87 V
* TOPLAM AĞIRLIK / WEIGHT TOTAL	3135 Kg/km

## 400 Hz. UÇAK GÜÇ VE KONTROL KABLolarI

# UNTJet – 400 Hz POWER UXI EMC 7x35 + 24x1

400 HZ EMC EKranLI UÇAK GÜÇ BESLEME KABLOSU

400 HZ EMC SCREENED AIRCRAFT GROUND POWER SUPPLY CABLE



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 35 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,554

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 19,5

#### 35 mm<sup>2</sup> İZOLE / INSULATION OF 35 mm<sup>2</sup>

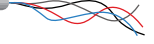
- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to + 90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,1
- \* RENK / COLOR : Açık Mavi, 2x Siyah, 2x Kahverengi, 2x Beyaz / Light Blue, 2xBlack, 2xBrown, 2xWhite

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1 mm<sup>2</sup>

- \* MALZEME / MATERIAL : PVC 100°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,4
- \* RENK / COLOR : Beyaz izole damarlar üzerine siyah numaralama (1-24)  
Black numbers on White insulation cores (1-24)

#### EMC İÇİN ÖRGÜ EKran / BRAIDING FOR EMC

Kalaylı Bakır ile örgü ekran 24\*9\*0,15 mm, %85 kaplama / Braiding screen of Tinned Copper Wire, 85% covering



## DIŞ KILIF / OUTER SHEATH

- \* MALZEME / MATERIAL : PUR
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -55°C to +80°C
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 42,80 +1,0
- \* RENK / COLOR : Müşteri seçimine göre / Customer Choice

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

- \* VOLTAJ ARALIĞI / VOLTAGE RANGE 1000 V
- \* RUTIN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN 2000 V
- \* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER 4000 V
- \* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ  
MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE 324 A
- \* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPERATURE FOR 5 SEC 250°C
- \* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS 152 mm
- \* TOPLAM AĞIRLIK / WEIGHT TOTAL 3240 Kg/km

### YAKLAŞIK DEĞER / NOMINAL VALUE







## UNTJet – 400 Hz POWER UXI 7x50 + 24x1,00

400 HZ GÜÇ BESLEME KABLOSU

400 HZ AIRCRAFT GROUND POWER SUPPLY CABLE



### DİZAYN / DESIGN

#### 50 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 50 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,386

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 19,5

#### 50 mm<sup>2</sup> İZOLE / INSULATION OF 50 mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to + 90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,2
- \* RENK / COLOR : Açık Mavi, 2x Siyah, 2x Kahverengi, 2x Beyaz / Light Blue, 2xBlack, 2xBrown, 2xWhite

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1 mm<sup>2</sup>

- \* MALZEME / MATERIAL : PVC 100°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,4
- \* RENK / COLOR : Beyaz izole damarlar üzerine siyah numaralama (1-24)  
Black numbers on White insulation cores (1-24)



## DIŐ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĐI / TEMPERATURE RANGE	: -55°C to +80°C
* DIŐ ÇAP (mm) / OUTER DIAMETER (mm)	: 43,00 +1,0
* RENK / COLOR	: Turuncu / Orange

## DIĐER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŐIK DEĐER / NOMINAL VALUE

* VOLTAJ ARALIĐI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĐINDA MAKS. SÜREKLİ AKIM TAŐIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	404 A
* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPERATURE FOR 5 SEC	250°C
* 5 SANİYELİK KISA DEVRE AKIMI / SHORT-CIRCUIT CURRENT FOR 5 SECONDS	6 kA
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	258 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	OK IEC 60332-1
* 20 °C SICAKLIKTA 2 ÇEKİRDEĐİN DİRENCİ / RESISTANCE 2 CORE AT 20 °C	0,386 Ω/km
* 70 °C SICAKLIKTA 2 ÇEKİRDEĐİN DİRENCİ / RESISTANCE 2 CORE AT 70 °C	0,461 Ω/km
* ENDÜKTANS / INDUCTANCE	0,098 mH/km
* TOPLAM AĐIRLIK / WEIGHT TOTAL	4340 Kg/km

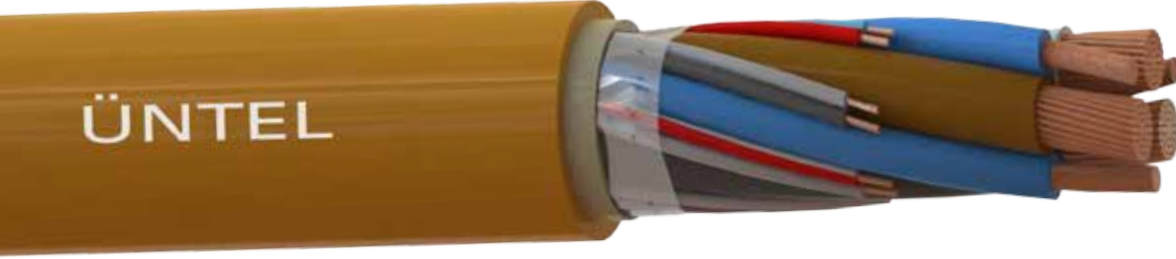
## 400 Hz. UÇAK GÜÇ VE KONTROL KABLoları



# UNTJet – 400 Hz POWER UXII 3x50 + 3x16 + 12x1

YÜKSEK AKIM İÇİN KUMANDA DAMARLI 400 HZ GÜÇ KABLOSU

400 HZ AIRCRAFT GROUND POWER SUPPLY CABLE FOR HIGH CURRENT , WITH CONTROL WIRES



### DİZAYN / DESIGN

#### 50 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 50 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,386

#### 16 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 16 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,2
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 1,21

#### 1 mm<sup>2</sup> EKSTRA ESNEK İLETKEN İZOLE / 1 MM<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 19,5

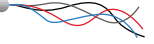
#### 50 mm<sup>2</sup> İZOLE / INSULATION OF 50 mm<sup>2</sup>

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,1
- \* RENK / COLOR : Kahverengi, Siyah, Beyaz  
Brown, Black, White

#### 16 mm<sup>2</sup> İZOLE / 16 mm<sup>2</sup> INSTULATION

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,1
- \* RENK / COLOR : Açık Mavi / Light Blue





## 1 mm<sup>2</sup> İZOLE / 1 mm<sup>2</sup> INSTULATION

* MALZEME / MATERIAL	: PVC 100 °C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -30°C to +100°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 0,6
* RENK / COLOR	: Siyah, Gri, Kırmızı, Mavi, Kahve, Sarı, Yeşil, Turuncu, Pembe, Siyah/Beyaz, Beyaz/Gri, Beyaz/Kırmızı Black, Grey, Red, Blue, Brown, Yellow, Green, Orange, Pink, White/Black, White/Grey, White/Red

## İÇ KILIF / INNER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +80°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 0,50
* RENK / COLOR	: Naturel / Natural

## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +80°C
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 34,0 ±2,0
* RENK / COLOR	: Turuncu / Orange

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĞI / VOLTAGE RANGE	1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	3500 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	404 A
* 5 SANİYELİK KISA DEVRE AKIMI / SHORT-CIRCUIT CURRENT FOR 5 SECONDS	3,2 kA
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	136 mm
* 20 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 20 °C	0,386 Ω/km
* 70 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 70 °C	0,461 Ω/km
* ENDÜKTANS / INDUCTANCE	0,089 mH/km
* EMPEDANS / IMPEDANCE	0,425 Ω/km
* VOLTAJ DÜŞÜŞÜ $\Phi=0,8$ , / VOLTAGE DROP, $\Phi=0,8$	0,37 mV/A/m
* VOLTAJ DÜŞÜŞÜ , $\Phi=0,8$ , 90 KW, 25 METRE, UO	3,45 V
* VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	
* TOPLAM AĞIRLIK / WEIGHT TOTAL	4340 Kg/km

### YAKLAŞIK DEĞER / NOMINAL VALUE



## UNTJet – 400 Hz POWER UXII 7x16 + 12x1

400 HZ YÜKSEK AKIM GÜÇ VE KUMANDA KABLOSU

AIRCRAFT 400 HZ GROUND POWER SUPPLY CABLE FOR HIGH CURRENT , WITH CONTROL WIRES



### DİZAYN / DESIGN

#### 16 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 16 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,20
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 1,21

#### 1 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 1 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

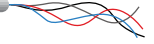
* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,19
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 19,5

#### 16 mm<sup>2</sup> İZOLE / 16 mm<sup>2</sup> INSULATION

* MALZEME / MATERIAL	: XLPE 90°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -40°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,0
* RENK / COLOR	: Açık mavi, 2xSiyah, 2xKahve, 2xBeyaz / Light Blue, 2xBlack, 2xBrown, 2xWhite

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1 mm<sup>2</sup>

* MALZEME / MATERIAL	: PVC 90°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -30°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 0,4
* RENK / COLOR	: Siyah, Gri, Kırmızı, Mavi, Kahverengi , Sarı, Yeşil, Turuncu, Pembe, Beyaz/Siyah, Beyaz/Gri, Beyaz/Kırmızı Black, Grey, Red, Blue, Brown, Yellow, Green, Orange, Pink, White/Black, White/Grey, White/Red



## ÇİFT KAT DIŞ KILIF / DOUBLE OUTER SHEATH

* MALZEME / MATERIAL	: PUR / PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -45°C to +80°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 3,60
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 31,00 ±%5
* RENK / COLOR	: Turuncu / Kırmızı Orange / Red

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

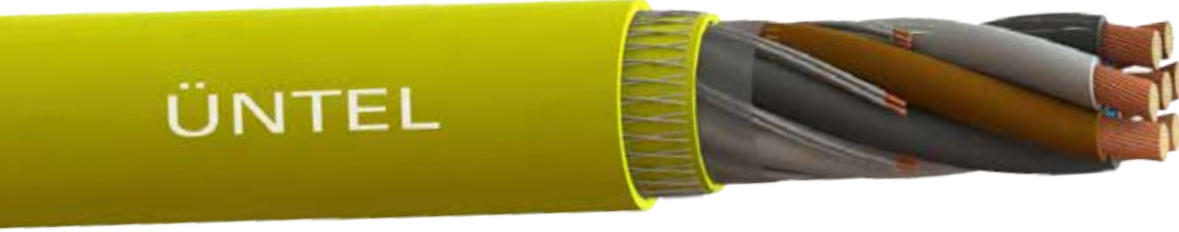
* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	200 A
* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPARATURE FOR 5 SECONDS	250°C
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	110 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1 OK
* 20 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 20 °C	1,21 Ω/km
* 70 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 70 °C	1,45 Ω/km
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/Km
* ENDÜKTANS / INDUCTANCE	0,095 mH/km
* EMPEDANS / IMPEDANCE	0,575 Ω/km
* VOLTAJ DÜŞÜŞÜ $\Phi=0,8$ , / VOLTAGE DROP, $\Phi=0,8$	0,97 mV/Am
* VOLTAJ DÜŞÜŞÜ , $\Phi=0,8$ , 90 KW, 25 METRE, UO	3,03 V
* VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	
* TOPLAM AĞIRLIK / WEIGHT TOTAL	1400 Kg/km

### YAKLAŞIK DEĞER / NOMINAL VALUE

## 400 Hz. UÇAK GÜÇ VE KONTROL KABLoları

# UNTJet – 400 Hz POWER UXII 7x35 + 24x1RET-AT

KABLO MONTAJ GEMİLERİ İÇİN BURULMA ETKİLERİNE DAYANIKLI 400 HZ GÜÇ KABLOSU  
400 HZ POWER CABLE FOR RETRIEVER WITH SPECIAL ANTITWIST BRAIDING



### DİZAYN / DESIGN

#### 16 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 16 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,21
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,554

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

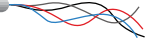
- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,19
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 19,5

#### 35 mm<sup>2</sup> İZOLE / 35 mm<sup>2</sup> INSULATION

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -40°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,1
- \* RENK / COLOR : 2x Siyah 2x Kahverengi 2x Beyaz / 2XBlack, 2XBrown, 2XWhite

#### 1 mm<sup>2</sup> İZOLE / INSULATION OF 1 mm<sup>2</sup>

- \* MALZEME / MATERIAL : PVC 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -30°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,4
- \* RENK / COLOR : Beyaz zemin üzerine siyah numaralama  
Black Number 1-24 on white surface



## GENEL BURULMAYA KARŞI ÖRGÜ KATMAN / OVERALL ANTI TWIST BRAIDING INSIDE OUTER LAYER

### DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PUR
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +80°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 3,60
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 40,00 ±%5
* RENK / COLOR	: Müşteri Seçimi / Customer Choice

### DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

#### ÖZELLİKLER / PROPERTIES

#### YAKLAŞIK DEĞER / NOMINAL VALUE

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	4000 V
* 5 SANİYELİK KISA DEVRE AKIMI / SHORT-CIRCUIT CURRENT FOR 5 SECONDS	324 A
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	250°C
* 20 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 20 °C	230 mm
* 70 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 70 °C	IEC 60332-1 OK
* VOLTAJ ARALIĞI / VOLTAGE RANGE	0,554 Ω/km
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	0,663 Ω/km
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/Km
* ENDÜKTANS / INDUCTANCE	0,093 mH/km
* EMPEDANS / IMPEDANCE	0,357 Ω/km
* VOLTAJ DÜŞÜŞÜ $\Phi=0,8$ , / VOLTAGE DROP, $\Phi=0,8$	0,61 mV/Am
* VOLTAJ DÜŞÜŞÜ , $\Phi=0,8$ , 90 KW, 25 METRE, UO	2,87 V
* VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	
* TOPLAM AĞIRLIK / WEIGHT TOTAL	3470 Kg/km

## 400 Hz. UÇAK GÜÇ VE KONTROL KABLoları



# UNTJet – 400 Hz POWER UXY 7X35

KABLO MONTAJ GEMİLERİ İÇİN BURULMA ETKİLERİNE DAYANIKLI 400 HZ GÜÇ KABLOSU

400 HZ POWER CABLE FOR RETRIEVER WITH SPECIAL ANTITWIST BRAIDING



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 35 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,20
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 0,554

#### 35 mm<sup>2</sup> İZOLE / 35 mm<sup>2</sup> INSULATION

* MALZEME / MATERIAL	: XLPE 90°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -45°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,2
* RENK / COLOR	: Açık Mavi, 2xSiyah, 2xKahve, 2xBeyaz / Light Blue, 2xBlack, 2x Brown, 2xWhite

#### DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: TP RUBBER
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -30°C to +80°C
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 42,8 + ±2,00
* RENK / COLOR	: Siyah / Black

### DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

#### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	324 A
* 5 SANİYELİK MAKS. KISA DEVRE AKIMI / MAX. SHORT-CIRCUIT CURRENT FOR 5 SECONDS	4,2 kA
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	170 mm
* TOPLAM AĞIRLIK / WEIGHT TOTAL	2720 Kg/km

#### YAKLAŞIK DEĞER / NOMINAL VALUE

# 400 Hz AIRPLANE POWER AND CONTROL CABLES

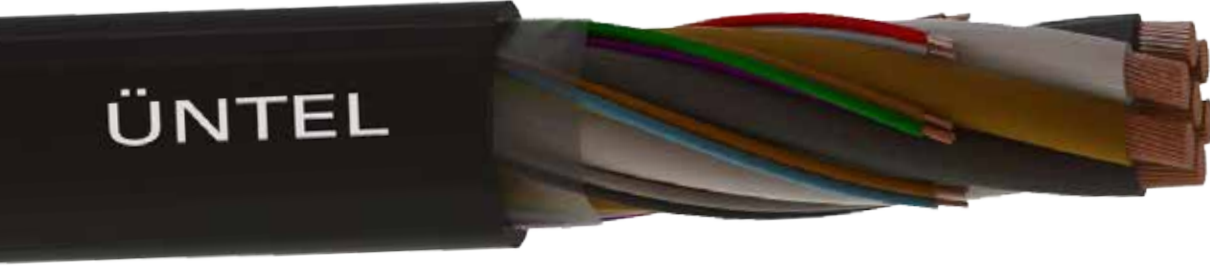




## UNTJet – 400 Hz POWER UXY 7X35 + 18x1

400 HZ GÜÇ BESLEME KABLOSU

400 HZ GROUND POWER SUPPLY CABLES



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 35 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,20
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 0,554

#### 1 mm<sup>2</sup> İLETKEN / 1mm<sup>2</sup> CONDUCTUR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,20
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 19,50

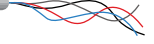
#### 35 mm<sup>2</sup> İZOLE / 35 mm<sup>2</sup> INSULATION

* MALZEME / MATERIAL	: XLPE 90°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -45°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,2
* RENK / COLOR	: Açık Mavi, 2xSiyah, 2xKahve, 2xBeyaz / Light Blue, 2xBlack, 2x Brown, 2xWhite

#### 1 mm<sup>2</sup> İZOLE / 1 mm<sup>2</sup> INSULATION

* MALZEME / MATERIAL	: PVC 100°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -40°C to +100°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 0,60
* RENK / COLOR	: Siyah, Gri, Kırmızı, Mavi, Kahverengi, Sarı, Yeşil, Turuncu, Pembe, Siyah/Beyaz, Beyaz/ Kırmızı, Beyaz / Mavi , Beyaz/Kahverengi, Beyaz/Sarı, Beyaz/Yeşil, Beyaz/Turuncu Beyaz/ Pembe Black, Grey, Red, Blue, Brown, Yellow, Green, Orange, Pink, White/Black, White/Grey, White/Red, White/Blue, White/Brown, White/Yellow, White/Green, White/Orange, White/Pink





## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: TP RUBBER
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -30°C to +80°C
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 38,0 +1,00
* RENK / COLOR	: Siyah / Black

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	324 A
* 5 SANİYELİK KISA DEVRE AKIMI / SHORT-CIRCUIT CURRENT FOR 5 SECONDS	4,2 kA
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	150 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1 OK
* 20 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 20 °C	0,554 Ω/km
* 70 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 70 °C	0,664 Ω/km
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/Km
* ENDÜKTANS / INDUCTANCE	0,094 mH/km
* EMPEDANS / IMPEDANCE	0,357 Ω/km
* VOLTAJ DÜŞÜŞÜ , $\Phi=0,8$ , 90 KW, 25 METRE, UO	2,9 V
* VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	
* TOPLAM AĞIRLIK / WEIGHT TOTAL	2940 Kg/km

## 400 HZ. UÇAK GÜÇ VE KONTROL KABLolarI

# UNTJet – 400 Hz POWER UXY 7X35 + 24x1

### 400 HZ GÜÇ BESLEME KABLOSU

400 HZ GROUND POWER SUPPLY CABLES



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 35 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,554

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1mm<sup>2</sup> FLEXIBLE CONDUCTOR

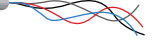
- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 19,50

#### 35 mm<sup>2</sup> İZOLE / 35 mm<sup>2</sup> INSULATION

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,10
- \* RENK / COLOR : Açık Mavi, 2xSiyah, 2xKahve, 2xBeyaz / Light Blue, 2xBlack, 2x Brown, 2xWhite

#### 1 mm<sup>2</sup> İZOLE / 1 mm<sup>2</sup> INSULATION

- \* MALZEME / MATERIAL : XLPE 90°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -45°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,40
- \* RENK / COLOR : Beyaz izole damarlar üzerine siyah numaralama  
Black numbers on White insulation cores



## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: TPE
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -45°C to +85°C
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 40,20 ± 2,00
* RENK / COLOR	: Turuncu / Orange

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPERATURE FOR 5 SEC	250°C
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	3xD mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1 OK
* HALOJEN FREE IEC 60754-1, EN 50267-2-1 / HALOGEN FREE IEC 60754-1, EN 50267-2-1	< 5 mg/g
* AŞINDIRICI GAZ İÇERMEME IEC 60754-2, EN50267-2-2 NO CORROSIVE GASES IEC 60754-2, EN50267-2-2	< 5 pH
* DÜŞÜK DUMAN YOĞUNLUĞU IEC 61034, EN 50268-2 LOW SMOKE DENSITY IEC 61034, EN 50268-2	> 95 %
* TOPLAM AĞIRLIK / WEIGHT TOTAL	3200 Kg/km

## 400 Hz. UÇAK GÜÇ VE KONTROL KABLOLARI



# 400 Hz AIRPLANE POWER AND CONTROL CABLES

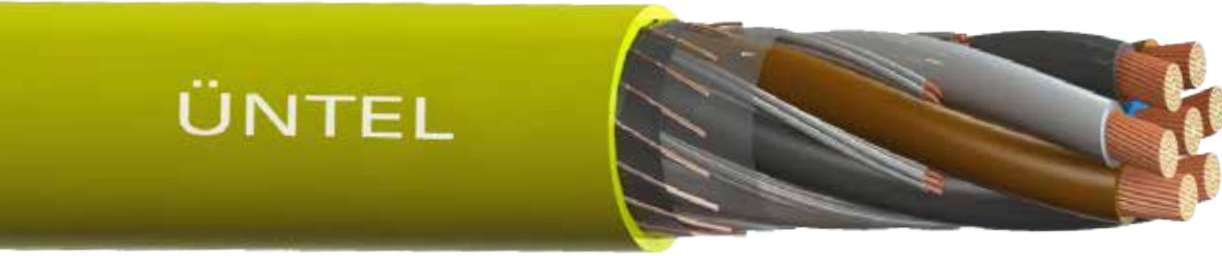


## 400 Hz. UÇAK GÜÇ VE KONTROL KABLolarI

# UNTJet – 400 Hz POWER UXYJ 7X35 + 24x1 / 25

### KONSANTRİK EKranLI 400 HZ YÜKSEK AKIM GÜÇ KABLOSU

400 HZ GROUND POWER SUPPLY CABLE FOR HIGH CURRENT, WITH CONCENTRIC SCREEN.



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 35 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 6 / Bare fine copper strands IEC 60228, class 6
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,20
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 0,554

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1mm<sup>2</sup> FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,20
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 19,50

#### 35 mm<sup>2</sup> İZOLE / 35 mm<sup>2</sup> INSULATION

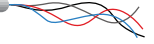
* MALZEME / MATERIAL	: XLPE 90°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -45°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,1
* RENK / COLOR	: Açık Mavi, 2xSiyah, 2xKahve, 2xBeyaz / Light Blue, 2xBlack, 2xBrown, 2xWhite

#### 1 mm<sup>2</sup> İZOLE / 1 mm<sup>2</sup> INSULATION

* MALZEME / MATERIAL	: PVC 100°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -40°C to +100°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 0,4
* RENK / COLOR	: Renk Kodlu Color Coded

#### İÇ KILIF / INNER SHEATH

* MALZEME / MATERIAL	: Filler
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -55°C to +85°C
* DIŞ ÇAP / OUTER DIAMETER (mm)	: 40,8 ± 2,00
* RENK / COLOR	: Müşteri Seçimine Göre / Customers choice



## KONSANTRİK İLETKEN S/Z, 25 mm<sup>2</sup> / CONCENTRIC CONDUCTOR S/Z, 25 mm<sup>2</sup>

\* Bakır Teller / Copper Wires : 16\*1,16

### DIŞ KILIF / OUTER SHEATH

- \* MALZEME / MATERIAL : TP Rubber  
\* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -55°C to +85°C  
\* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 42,8 + ± 1,00  
\* RENK / COLOR : Müşteri Seçimine Göre / Customers choice

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 V
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	324 A
* 5 SANİYELİK MAKS. SICAKLIK / MAX. TEMPERATURE FOR 5 SEC	250°C
* 5 SANİYELİK KISA DEVRE AKIMI / SHORT-CIRCUIT CURRENT FOR 5 SECONDS	4,2 kA
* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	340 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1 OK
* 20 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 20 °C	0,554 Ω/km
* 70 °C SICAKLIKTA 2 ÇEKİRDEĞİN DİRENCİ / RESISTANCE 2 CORE AT 70 °C	0,662 Ω/km
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/Km
* ENDÜKTANS / INDUCTANCE	0,093 mH/km
* EMPEDANS / IMPEDANCE	0,357 Ω/km
* VOLTAJ DÜŞÜŞÜ $\Phi=0,8$ / VOLTAGE DROP, $\Phi=0,8$	0,61 mV/Am
* VOLTAJ DÜŞÜŞÜ , $\Phi=0,8$ ,	2,87 V
* VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	
* TOPLAM AĞIRLIK / WEIGHT TOTAL	3530 Kg/km

## UNTJet – UKAK 7x35

### SABİT MONTAJ İÇİN ALÜMİNYUM ZIRHLI 400 HZ KABLO

ALUMINUM ARMORED 400 HZ CABLE FOR FIXED INSTALLATION



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> EKSTRA ESNEK İLETKEN / 35 mm<sup>2</sup> EXTRA FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,40
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,554

#### 35 mm<sup>2</sup> İZOLE / 35 mm<sup>2</sup> INSULATION

- \* MALZEME / MATERIAL : PVC 70°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +70°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,4
- \* RENK / COLOR : Açık Mavi , 2xKahverengi,2xSiyah,2xBeyaz / Light Blue, 2xBrown, 2xBlack, 2xWhite

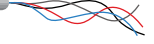
#### İÇ KILIF / INNER SHEATH

- \* MALZEME / MATERIAL : PVC 70°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +70°C
- \* DIŞ ÇAP / OUTER DIAMETER (mm) : 32,0 ±%5
- \* RENK / COLOR : Şeffaf / Natural

#### ALÜMİNYUM ZIRH / ALUMINUM ARMOURING

- \* ALİMÜNYUM Teller / Aluminum Wires : abt 40
- \* Al. Tel Çapı (mm) / Al. Wire Diameter : 2,50





## DIŐ KILIF / OUTHER SHEATH

- \* MALZEME / MATERIAL : PVC +70°C
- \* SICAKLIK ARALIĐI / TEMPERATURE RANGE : -25°C to +70°C
- \* DIŐ ÇAP (mm) / OUTHER DIAMETER (mm) : 42,00 ±%5
- \* RENK / COLOR : Siyah / Black

## DİĐER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

- \* VOLTAJ ARALIĐI / VOLTAGE RANGE : 0,6 / 1 kV
- \* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN : 2000 V
- \* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER : 4000 V
- \* +30°C ORTAM SICAKLIĐINDA MAKS. SÜREKLİ AKIM TAŐIMA KAPASİTESİ  
MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE : 270 A
- \* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS : 500 mm
- \* ALEV ÖZELLİKLERİ / FLAME PROPERTIES : IEC 60332-1 OK
- \* TOPLAM AĐIRLIK / WEIGHT TOTAL : 3725 Kg/km

### YAKLAŐIK DEĐER / NOMINAL VALUE

## UNTJet – UKAK 7x50

### SABİT MONTAJ İÇİN ALÜMİNYUM ZIRHLI 400 HZ KABLO

ALUMINUM ARMORED 400 HZ CABLE FOR FIXED INSTALLATION



### DİZAYN / DESIGN

#### 50 mm<sup>2</sup> ESNEK İLETKEN / 50 mm<sup>2</sup> FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,40
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 0,386

#### 50 mm<sup>2</sup> İZOLE / 50 mm<sup>2</sup> INSULATION

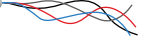
* MALZEME / MATERIAL	: PVC 70°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -25°C to +70°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,4
* RENK / COLOR	: Açık Mavi , 2xKahverengi, 2xSiyah, 2xBeyaz / Light Blue, 2xBrown, 2xBlack, 2xWhite

#### İÇ KILIF / INNER SHEATH

* MALZEME / MATERIAL	: PVC 70°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -25°C to +70°C
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 39,0 ±%5
* RENK / COLOR	: Şeffaf / Natural

#### ALÜMİNYUM ZIRH / ALUMINUM ARMOURING

* ALİMÜNYUM Teller / Aluminum Wires	: abt 49
* Al. Tel Çapı (mm) / Al. Wire Diameter	: 2,50



## DIŐ KILIF / OUTER SHEATH

- \* MALZEME / MATERIAL : PVC +70°C
- \* SICAKLIK ARALIĐI / TEMPERATURE RANGE : -25°C to +70°C
- \* DIŐ ÇAP (mm) / OUTER DIAMETER (mm) : 49,00 ±%5
- \* RENK / COLOR : Siyah / Black

## DİĐER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

- \* VOLTAJ ARALIĐI / VOLTAGE RANGE : 0,6 / 1 kV
- \* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN : 2000 V
- \* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER : 4000 V
- \* +30°C ORTAM SICAKLIĐINDA MAKS. SÜREKLİ AKIM TAŐIMA KAPASİTESİ  
MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE : 336 A
- \* İZİN VERİLEN BÜKÜLME YARIÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS : 590 mm
- \* TOPLAM AĐIRLIK / WEIGHT TOTAL : 4310 Kg/km

### YAKLAŐIK DEĐER / NOMINAL VALUE



# 400 Hz. UÇAK GÜÇ VE KONTROL KABLolarI

## UNTJet – UKK 7x35

### SABİT MONTAJ İÇİN ALİMÜNYUM ZIRHLI 400 HZ UÇAK KABLOSU

400 HZ AIRCRAFT CABLE FOR FIXED INSTALLATION



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> ESNEK İLETKEN / 35 mm<sup>2</sup> FLEXIBLE CONDUCTOR

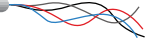
- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,40
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,554

#### 35 mm<sup>2</sup> İZOLE / 35 mm<sup>2</sup> INSULATION

- \* MALZEME / MATERIAL : PVC 70°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +70°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,2
- \* RENK / COLOR : Açık Mavi , 2xKahverengi, 2xSiyah, 2xBeyaz / Light Blue, 2xBrown, 2xBlack, 2xWhite

#### DIŞ KILIF / OUTER SHEATH

- \* MALZEME / MATERIAL : PVC 70°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -30°C to +70°C
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 36,0 ±%5
- \* RENK / COLOR : Müşteri Talebine Göre / Customers Choice



## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

* VOLTAJ ARALIĞI / VOLTAGE RANGE	0,6 / 1 kV
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	270 A
* 5 SANİYE İÇİN MAKS. KISA DEVRE AKIMI / MAX. SHORT-CIRCUIT CURRENT FOR 5 SECONDS	4,2 kA
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	130 mm
* ALEVE DAYANIM ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1 OK VDE 0472 OK
* 2 DAMARIN 20°C SICAKLIKTAKI DİRENCİ / RESISTANCE 2 CORE AT 20°C	0,554 Ω/km
* 2 DAMARIN 70°C SICAKLIKTAKI DİRENCİ / RESISTANCE 2 CORE AT 70°C	0,663 Ω/km
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/Km
* ENDÜKTANS / INDUCTANCE	0,096 mH/km
* DİRENÇ / IMPEDANCE	0,240 Ω/km
* VOLTAJ DÜŞÜŞÜ $\Phi=0,8$ / VOLTAGE DROP, $\Phi=0,8$	0,62 mV/Am
* VOLTAJ DÜŞÜŞÜ , $\Phi=0,8$ , 25 METER, UO	2,89 V
* VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	
* TOPLAM AĞIRLIK / WEIGHT TOTAL	2800 Kg/km

## UNTJet – UKK 7x35 EMC

### SABİT MONTAJ İÇİN ÖRGÜ VE EMC EKranLI 400 HZ UÇAK KABLOSU

AIRCRAFT 400 HZ CABLE FOR FIXED INSTALLATION AND WITH BRAIDED EMC SHIELD



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> ESNEK İLETKEN / 35 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,40
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,554

#### 35 mm<sup>2</sup> İZOLE / 35 mm<sup>2</sup> INSULATION

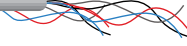
- \* MALZEME / MATERIAL : PVC 70°C
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +70°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 1,2
- \* RENK / COLOR : Açık Mavi , 2xKahverengi, 2xSiyah, 2xBeyaz / Light Blue, 2xBrown, 2xBlack, 2xWhite

#### İÇ KILIF / INNER SHEATH

- \* MALZEME / MATERIAL : PVC
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -25°C to +70°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 2,0
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 36,0 ±%5
- \* RENK / COLOR : Naturel / Natural

#### BAKIR BANTLI VE BAKIR ÖRGÜLÜ ZIRH / BRAIDED SHIELD WITH CU-TAPE

- \* HELİSEL BAKIR BANT (mm) / HELICAL CU TAPE (mm) : 50
- \* ÖRGÜ BAKIR , BÖLÜM (mm<sup>2</sup>) / BRAIDED OF BARE COPPER, SECTION (mm<sup>2</sup>) : 16,0
- \* ÖRGÜ TEL ÇAPI (mm) / BRAIDED WIRE DIAMETER (mm) : 0,30



## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PVC
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -45°C to +70°C
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 42,00 ±%5
* RENK / COLOR	: Siyah / Black

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

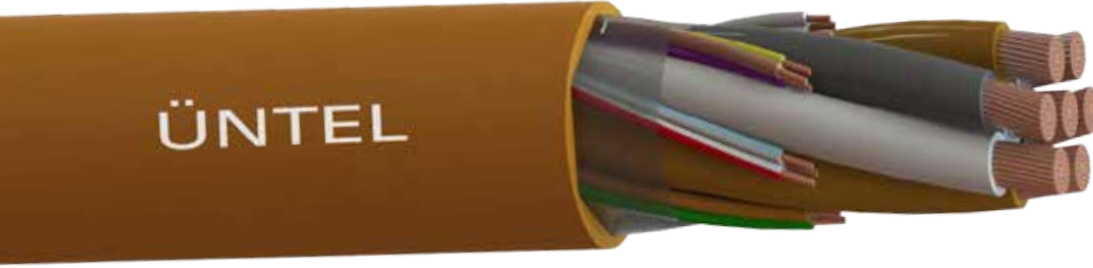
* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 kV
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	270 A
* 5 SANİYE İÇİN MAKS. KISA DEVRE AKIMI / MAX. SHORT-CIRCUIT CURRENT FOR 5 SECONDS	4,2 kA
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	125 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1 OK VDE 0472 OK
* 2 DAMARIN 20°C SICAKLIKTAKI DİRENCİ / RESISTANCE 2 CORE AT 20°C	0,554 Ω/km
* 2 DAMARIN 70°C SICAKLIKTAKI DİRENCİ / RESISTANCE 2 CORE AT 70°C	0,663 Ω/km
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/Km
* ENDÜKTANS / INDUCTANCE	0,096 mH/km
* DİRENÇ / IMPEDANCE	0,240 Ω/km
* VOLTAJ DÜŞÜŞÜ $\Phi=0,8$ / VOLTAGE DROP, $\Phi=0,8$	0,62 mV/Am
* VOLTAJ DÜŞÜŞÜ , $\Phi=0,8$ , 25 METER, UO	2,89 V
* VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	
* TOPLAM AĞIRLIK / WEIGHT TOTAL	3525 Kg/km

### YAKLAŞIK DEĞER / NOMINAL VALUE

## UNTJet – UKK 7x35 + 18X1

### SABİT MONTAJ İÇİN 400 HZ UÇAK KABLOSU

400 HZ AIRCRAFT CABLE FOR FIXED INSTALLATION



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> ESNEK İLETKEN / 35 mm<sup>2</sup> FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,40
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 0,554

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,20
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 19,5

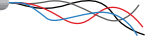
#### 35 mm<sup>2</sup> İZOLE / 35 mm<sup>2</sup> INSULATION

* MALZEME / MATERIAL	: PVC 70°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -25°C to +70°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,2
* RENK / COLOR	: Açık Mavi , 2xKahverengi, 2xSiyah, 2xBeyaz / Light Blue, 2xBrown, 2xBlack, 2xWhite

#### 1 mm<sup>2</sup> İZOLE / 1 mm<sup>2</sup> INSULATION

* MALZEME / MATERIAL	: PVC 90°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -25°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 0,4
* RENK / COLOR	: Siyah, Gri, Kırmızı, Mavi, kahverengi, sarı, yeşil, turuncu, pembe, Siyah/Beyaz, Beyaz/ Gri, Beyaz/ Kırmızı, Beyaz/Mavi , Beyaz/Kahverengi Beyaz/Sarı Beyaz/Yeşil, Beyaz/ Turuncu Beyaz/Pembe Black, Grey, Red, Blue, Brown, Yellow, Green, Orange, Pink, White/Black, White/Grey, White/Red, White/Blue, White/Brown, White/Yellow, White/Green, White/Orange, White/Pink





## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PVC 70°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -25°C to +70°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 2,0
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 37,00 ±%5
* RENK / COLOR	: Müşteri Seçimine Göre / Customer Choice

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 kV
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	270 A
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	125 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	VDE 0472 OK
* 2 DAMARIN 20°C SICAKLIKTAKI DİRENCİ / RESISTANCE 2 CORE AT 20°C	0,554 Ω/km
* 2 DAMARIN 70°C SICAKLIKTAKI DİRENCİ / RESISTANCE 2 CORE AT 70°C	0,663 Ω/km
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/Km
* ENDÜKTANS / INDUCTANCE	0,096 mH/km
* DİRENÇ / IMPEDANCE	0,240 Ω/km
* VOLTAJ DÜŞÜŞÜ , Φ=0,8, 25 METER, UO	2,89 V
* VOLTAGE DROP, Φ=0,8, 90 KW, 25 METER, UO	
* TOPLAM AĞIRLIK / WEIGHT TOTAL	2925 Kg/km

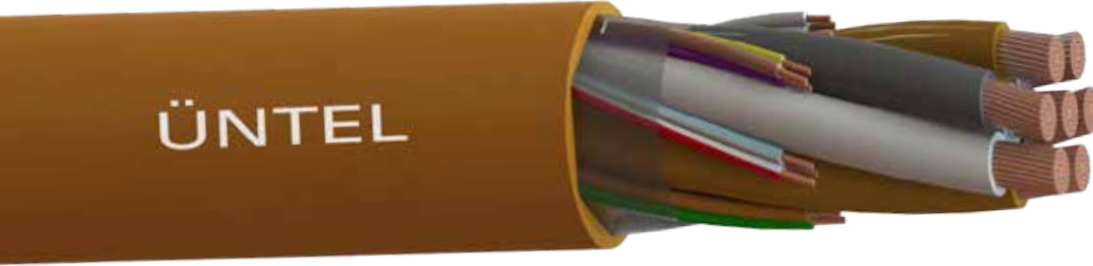
### YAKLAŞIK DEĞER / NOMINAL VALUE

600 / 1000 kV
2000 V
4000 V
270 A
125 mm
VDE 0472 OK
0,554 Ω/km
0,663 Ω/km
120 nF/Km
0,096 mH/km
0,240 Ω/km
2,89 V
2925 Kg/km

## UNTJet – UKK 7x50 + 18X1

### SABİT MONTAJ İÇİN 400 HZ UÇAK KABLOSU

400 HZ AIRCRAFT CABLE FOR FIXED INSTALLATION



### DİZAYN / DESIGN

#### 50 mm<sup>2</sup> ESNEK İLETKEN / 50 mm<sup>2</sup> FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,40
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 0,386

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,20
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 19,5

#### 50 mm<sup>2</sup> İZOLE / 50 mm<sup>2</sup> INSULATION

* MALZEME / MATERIAL	: PVC 70°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -25°C to +70°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,2
* RENK / COLOR	: Açık Mavi , 2xKahverengi, 2xSiyah, 2xBeyaz / Light Blue, 2xBrown, 2xBlack, 2xWhite

#### 1 mm<sup>2</sup> İZOLE / 1 mm<sup>2</sup> INSULATION

* MALZEME / MATERIAL	: PVC 90°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -25°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 0,6
* RENK / COLOR	: Siyah, Gri, Kırmızı, Mavi, kahverengi, sarı, yeşil, turuncu, pembe, Siyah/Beyaz, Beyaz/ Gri, Beyaz / Kırmızı, Beyaz/Mavi , Beyaz/Kahverengi Beyaz/Sarı Beyaz/Yeşil, Beyaz/ Turuncu Beyaz/Pembe Black, Grey, Red, Blue, Brown, Yellow, Green, Orange, Pink, White/Black, White/Grey, White/Red, White/Blue, White/Brown, White/Yellow, White/Green, White/Orange, White/Pink



## DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PVC 70°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -25°C to +70°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 3,2
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 43,00 ±%5
* RENK / COLOR	: Müşteri Seçimine Göre / Customer Choice

## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 kV
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	288 A
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	350 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1 VDE 0472 OK
* 2 DAMARIN 20°C SICAKLIKTAKI DİRENCİ / RESISTANCE 2 CORE AT 20°C	0,386 Ω/km
* 2 DAMARIN 70°C SICAKLIKTAKI DİRENCİ / RESISTANCE 2 CORE AT 70°C	0,462 Ω/km
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/Km
* ENDÜKTANS / INDUCTANCE	0,094 mH/km
* DİRENÇ / IMPEDANCE	0,240 Ω/km
* VOLTAJ DÜŞÜŞÜ , Φ=0,8, 25 METER, UO	2,3 V
* VOLTAGE DROP, Φ=0,8, 90 KW, 25 METER, UO	
* TOPLAM AĞIRLIK / WEIGHT TOTAL	4290 Kg/km

### YAKLAŞIK DEĞER / NOMINAL VALUE

## UNTJet – UKK 7x70+24X1

### SABİT MONTAJ İÇİN 400 HZ GÜÇ VE KONTROL KABLOSU

400 HZ AIRCRAFT CABLE FOR FIXED INSTALLATION AND WITH CONTROL WIRES



### DİZAYN / DESIGN

#### 70 mm<sup>2</sup> ESNEK İLETKEN / 70 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Klas 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,40
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 0,272

#### 1 mm<sup>2</sup> ESNEK İLETKEN / 1 mm<sup>2</sup> FLEXIBLE CONDUCTOR

- \* İLETKEN / CONDUCTOR : Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
- \* TEL ÇAPI (mm) / WIRE DIAMETER (mm) : 0,20
- \* DİRENÇ (Ω/km) / RESISTANCE (Ω/km) : 19,5

#### 70 mm<sup>2</sup> İZOLE / 70 mm<sup>2</sup> INSULATION

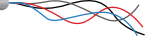
- \* MALZEME / MATERIAL : PVC T11
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -30°C to +70°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 4,0
- \* RENK / COLOR : Açık Mavi , 2xKahverengi, 2xSiyah, 2xBeyaz / Light Blue, 2xBrown, 2xBlack, 2xWhite

#### 1 mm<sup>2</sup> İZOLE / 1 mm<sup>2</sup> INSULATION

- \* MALZEME / MATERIAL : PVC R2
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -40°C to +90°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 0,4
- \* RENK / COLOR : Beyaz İzole Üzerine Siyah numaralama (1-24)  
Beyaz İzole Üzerine Siyah numaralama (1-24)

#### DIŞ KILIF / OUTER SHEATH

- \* MALZEME / MATERIAL : PVC TM2
- \* SICAKLIK ARALIĞI / TEMPERATURE RANGE : -30°C to +70°C
- \* ET KALINLIĞI (mm) / WALL THICKNESS (mm) : 4,0
- \* DIŞ ÇAP (mm) / OUTER DIAMETER (mm) : 50,00 ±%5
- \* RENK / COLOR : Müşteri Seçimine Göre / Customer Choice



## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

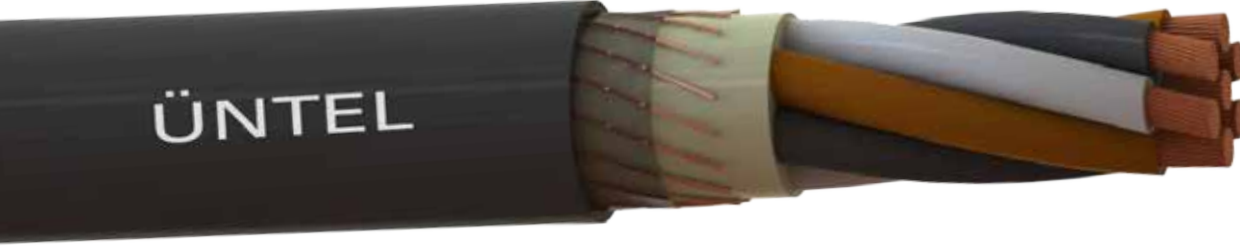
* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 kV
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	414 A
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	388 mm
* ALEV ÖZELLİKLERİ / FLAME PROPERTIES	IEC 60332-1 VDE 0472 OK
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/Km
* ENDÜKTANS / INDUCTANCE	0,051 mH/km
* DİRENÇ / IMPEDANCE	0,185 Ω/km
* VOLTAJ DÜŞÜŞÜ , $\Phi=0,8$ , 25 METER, UO	1,48 V
* VOLTAGE DROP, $\Phi=0,8$ , 90 KW, 25 METER, UO	
* TOPLAM AĞIRLIK / WEIGHT TOTAL	7750 Kg/km



## UNTJet – UKLJ HF 7x35

### SABİT MONTAJ İÇİN EKranLI 400 HZ HALOJEN-FREE KABLO

HALOGEN-FREE 400 HZ CABLE FOR FIXED INSTALLATION AND WITH SCREEN



### DİZAYN / DESIGN

#### 35 mm<sup>2</sup> ESNEK İLETKEN / 35 mm<sup>2</sup> FLEXIBLE CONDUCTOR

* İLETKEN / CONDUCTOR	: Tavlı, bükülü bakır IEC 60228, Sınıf 5 / Bare fine copper strands IEC 60228, class 5
* TEL ÇAPI (mm) / WIRE DIAMETER (mm)	: 0,40
* DİRENÇ (Ω/km) / RESISTANCE (Ω/km)	: 0,554

#### 35 mm<sup>2</sup> İZOLE / 35 mm<sup>2</sup> INSULATION

* MALZEME / MATERIAL	: XLPE 90°C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -45°C to +90°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 1,2
* RENK / COLOR	: Açık Mavi , 2xKahverengi, 2xSiyah, 2xBeyaz / Light Blue, 2xBrown, 2xBlack, 2xWhite

#### İÇ KILIF / INNER SHEATH

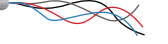
* MALZEME / MATERIAL	: PE 70 °C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -45°C to +70°C
* DIŞ ÇAP / OUTER DIAMETER (mm)	: 34,2 +1,0
* RENK / COLOR	: Naturel / Natural

#### 35 mm<sup>2</sup> KONSANTRİK İLETKEN / CONCENTRIC CONDUCTOR, 35 mm<sup>2</sup>

* İLETKEN / CONDUCTOR	: 14x1,78
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#### DIŞ KILIF / OUTER SHEATH

* MALZEME / MATERIAL	: PE 70 °C
* SICAKLIK ARALIĞI / TEMPERATURE RANGE	: -30°C to +70°C
* ET KALINLIĞI (mm) / WALL THICKNESS (mm)	: 2,1
* DIŞ ÇAP (mm) / OUTER DIAMETER (mm)	: 41,90 ±1,0
* RENK / COLOR	: Siyah / Black



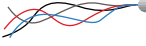
## DİĞER ÖZELLİKLER / SPECIFIC PROPERTIES

### ÖZELLİKLER / PROPERTIES

### YAKLAŞIK DEĞER / NOMINAL VALUE

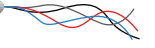
* VOLTAJ ARALIĞI / VOLTAGE RANGE	600 / 1000 kV
* RUTİN VOLTAJ TESTİ 5 DK. / ROUTINE VOLTAGE TEST, 5 MIN	2000 V
* TİP VOLTAJ TESTİ 15 DK. - SUDA / TYPE VOLTAGE TEST, 15 MIN. IN WATER	4000 V
* +30°C ORTAM SICAKLIĞINDA MAKS. SÜREKLİ AKIM TAŞIMA KAPASİTESİ MAX. CONTINUOUSLY CURRENT AT AMBIENT TEMP +30°C, PER PHASE	270 A
* 5 SANİYELİK KISA DEVRE AKIMI / MAX. SHORT-CIRCUIT CURRENT FOR 5 SECONDS	4,2 kA
* İZİN VERİLEN MİN. BÜKÜLME ÇAPI / PERMISSIBLE MINIMUM BENDING RADIUS	420 mm
* HALOJEN İÇERİĞİ / HALOGEN CONTENT	<400 Ppm
* ORTAK KAPASİTE / MUTUAL CAPACITANCE	120 nF/Km
* DİRENÇ / IMPEDANCE	0,554 Ω/km
* REAKTANS / REACTANCE	0,237 Ω/km
* EMPEDANS / IMPEDANCE	0,350 Ω/km
* TOPLAM AĞIRLIK / WEIGHT TOTAL	3340 Kg/km

# NOTLAR



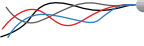
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A series of horizontal dashed lines for writing notes.

# NOTLAR



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# Tecrübenin Getirdiği Kalite

## Quality Through Experience



ENDÜSTRİYEL  
KABLOLARI  
INDUSTRIAL  
CABLES



MADEN  
KABLOLARI  
MINING  
CABLES



OFFSHORE  
KABLOLARI  
OFFSHORE  
CABLES



DEMİRYOLU  
KABLOLARI  
RAILWAY  
CABLES



HAVAALANI  
KABLOLARI  
AIRPORT  
CABLES



GEMİ  
KABLOLARI  
MARINE  
CABLES

Makine O.S.B. 6. Cadde No:4/41455 Dilovası, Kocaeli - TÜRKİYE

Tel: +90 262 722 93 30 Faks: +90 262 722 94 43

info@untel.com.tr

www.untel.com.tr