



XTREM H07RN-F

Flexible rubber cable, for industrial use.

EN 50525-2-21 / IEC 60245-4

DESIGN

1. Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228 and IEC 60228.

2. Insulation

Rubber (type EPR).

The standard identification of insulated conductors is the following:

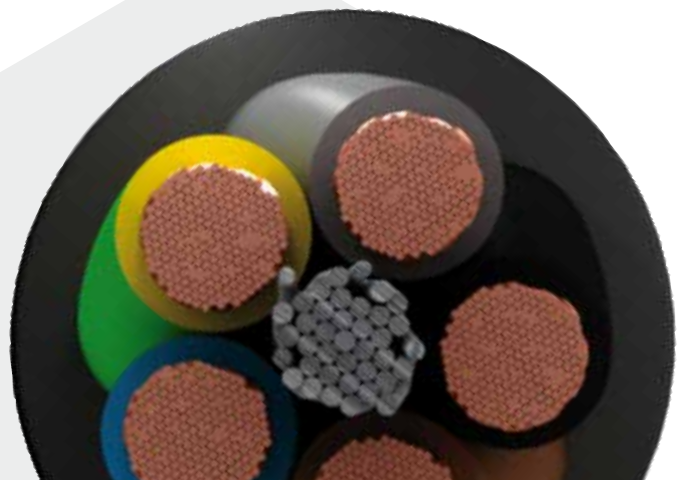
1 x	natural
2 x	Brown + Blue
3 G	Brown + Blue + Green/Yellow
4 G	Brown + Black + Grey + Green/Yellow
5 G	Brown + Black + Grey + Blue + Green/Yellow
6 G or more	Black numbered + Green/Yellow

3. Outer sheath

Flexible rubber. Black colour.

APPLICATIONS

Xtrem H07RN-F rubber cables are designed to supply power to low voltage appliances including electric motors and submersible pumps in deep water installations as well as many other types of electrical equipment. Thanks to its extraordinary flexibility and mechanical strength, the Xtrem H07RN-F cable is ideal for power transmission in both fixed installation or mobile service. The nominal voltage up to 1000 V thanks to the high dielectric properties of the insulation material (according to HD 516).

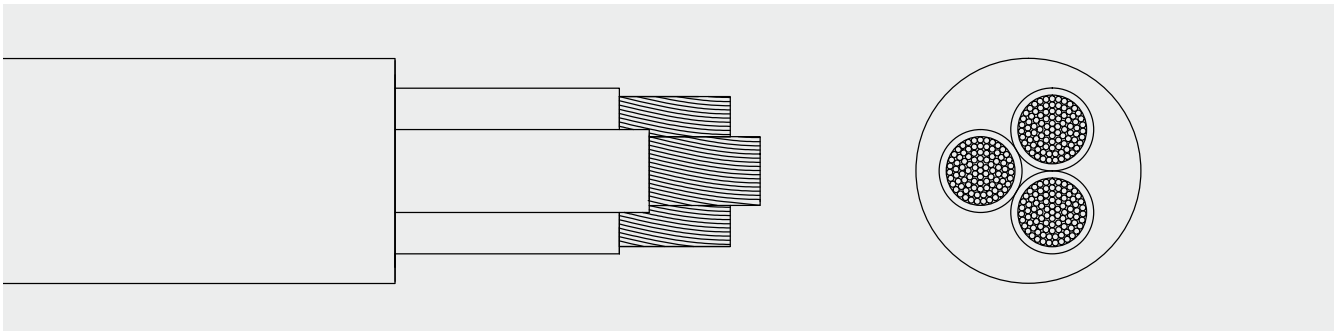


1

2

3

This cable render is an example from this product range and does not necessarily match the selected core size or number of cores.



CHARACTERISTICS



Electrical performance

LOW VOLTAGE 450/750 V



Standard

EN 50525-2-21 / IEC 60245-4



Approvals

CE
SEC
HAR
AENOR
DNV
SASO
RoHS
Safe drinking water certificate



Thermal performance

Maximum service temperature: 90°C.
Maximum short-circuit temperature: 250°C (max. 5 s).
Minimum service temperature: -40°C (fixed and protected installations) and -25°C (mobile use)



Fire performance

Flame non-propagation based on UNE-EN 60332-1 and IEC 60332-1.



Mechanical performance

Minimum bending radius: 3 x cable \varnothing (up to 12 mm²),
4 x cable \varnothing (from 12 mm² onwards).
Impact resistance: AG2 Medium severity.



Chemical performance

Chemical & Oil resistance: Excellent.
Grease & mineral oils resistance: Excellent.



Water performance

Water resistance: AD8 Submersion.
Submersible pumps
Deep wells
Drinkable water



Other

Meter by meter marking.



Installation conditions

Open Air.



Applications

Industrial use.
Mobile use.
Robotics.
Windmills
Temporary site installations.



Packaging

Available in rolls of 100 m. and drums.



CERTIFICADO DE PRODUCTO

AENOR ◁ HAR ▷

- r1) Certificado nº / Certificate n°: **HAR/000596**
r2) Fecha del Certificado / Date of the Certificate: **2012-12-17**
r3) Informe de ensayo nº / Test report n°: **CBI..07/2840/2007**
r4) Nombre y dirección del licenciatario / Name and address of the licensee:

TOP CABLE, S.A.
PARC D'ACTIVITATS ECONOMIQUES CAN SANT JOAN, CAMI VELL DE SANT CUGAT, S/N
08191 RUBÍ (Barcelona - España)

- r5) Dirección de la factoría / Address of the factory:

PI PLANS DE LA SALA, PARCELA 11
08650 SALLENT (Barcelona - España)

- r6) Descripción del marcado armonizado / Description of the Harmonization Marking:

AENOR ◁ HAR ▷

o hilo negro (3 cm) rojo (1 cm) amarillo (9 cm)
or thread black (3 cm) red (1 cm) yellow (9 cm)

- r7) Norma Española / Spanish Standard: **UNE-EN 50525-2-21:2012**
r8) Documento de Armonización / Harmonization Document: **EN 50525-2-21:2011**
r9) Tipo de producto / Type of product:
N01.10 - CABLE FLEXIBLE CON AISLAMIENTO DE ELASTÓMERO RETICULADO Y CUBIERTA DE
POLICLOROPRENO O EQUIVALENTE, PARA SERVICIOS EXIGENTES (450/750 V)
r10) Designación / Designation: **II07RN-F**
r11) Limitación / Restriction: **Gama Completa**
r12) Indicación de origen / Indication of origin:
r13) Marca comercial / Trade Mark: **TOP CABLE XTREM 6 "344"**
r14) Certificado Sustituido / Superseded Certificate: **IIAR/000596, de fecha 2007-12-17**

Este Certificado se concede según las reglas del acuerdo IIAR, por el cual el certificado concedido por cualquier organismo miembro del acuerdo IIAR tiene el mismo valor y validez en todos los países de los organismos miembros.

This certificate is issued according to the rules of the HAR Agreement, wherein the certificate issued by any certification body adhering to the HAR Agreement has the same worth and validity in all the other certification bodies' countries.

El presente certificado es válido salvo suspensión o retirada notificada en tiempo por AENOR y en las condiciones particulares indicadas en el contrato nº **IIAR/000062**, firmado por ambas partes con fecha **2007-12-17**, en los documentos del acuerdo HAR y en el Reglamento Particular RP 42.03.

Fecha de caducidad: **2017-12-17**
Date of expiry:


Avelino BRITO MARQUINA
Director General de AENOR
Chief Executive Officer of AENOR

IEC**IECEE**
CB
SCHEME

Ref. Certif. No.

ES0826IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC**CB TEST CERTIFICATE**
CERTIFICAT D'ESSAI OCProduct
ProduitRUBBER INSULATED AND PCP SHEATHED FLEXIBLE CABLE
(450/750 V)Name and address of the applicant
Nom et adresse du demandeurTOP CABLE, S.A.
PARC D'ACTIVITATS ECONOMIQUES CAN SANT JOAN, CAMI
VELL DE SANT CUGAT, S/N
08191 RUBÍ (Barcelona - SPAIN)Name and address of the manufacturer
Nom et adresse du fabricantTOP CABLE, S.A.
PI PLANS DE LA SALA,
08650 SALLENT (Barcelona - SPAIN)Name and address of the factory
Nome et adresse de l'usine

SAME AS ABOVE

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Gama completa/ Full Range

Trademark (if any)
Marque de fabrique (si elle existe)

TOP CABLE XTREM ó "344"

Model / Type Ref.
Ref. De type

60245 IEC 66 (H07RN-F)

Additional information (if necessary)
Information complémentaire (si nécessaire)A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

PUBLICATION	EDITION
IEC 60245-4:2004	
CBL.07/3523/2009	

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce CertificatThis CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**ASOCIACIÓN ESPAÑOLA DE NORMALIZACIÓN Y CERTIFICACIÓN (AENOR)
CI Génova, 6
ES-28004 MADRID (SPAIN)**AENOR**Asociación Española de
Normalización y Certificación

Date: 2009-12-18

Signature: Ramón NAZ PAJARES (General Manager)



Camí Vell de Sant Cugat, s/n
Parque de Actividades Económicas Can Sant Joan
08191 Rubí - Barcelona
Spain

CERTIFICATE OF CONFORMANCE

Top Cable, S.A. certifies

The Elephant H07RN-F type cables with the following make up

- Electrolytic copper conductor.
- EPR insulation.
- Rubber outer sheath type EM2.

are designed, manufactured and tested fully in accordance with the latest revision of CENELEC HD 22 / IEC 60245. All the tests carried-out on these cables ensure their perfect performance once in service.

The thermosetting rubber compound used in the outer sheath enables the cable to be used for permanent underwater installation.

Rubí, December 15th 2000.



DIRECTOR TÉCNICO