



# Diffida delle Imitazioni

Beware of imitations - Méfiez-vous des faux semblants

**- EBRILLE -**  
INDUSTRIES

# Coveral

# Coveral white

DATI TECNICI / TECHNICAL DATA / DONNÉES TECHNIQUES										
Ø esterno del tubo in rame Ø ext. copper pipe Ø ext. du tube en cuivre	inch	1/4	3/8	1/2	1/4	3/8	1/2	5/8	3/4	7/8
	mm	6,35	9,52	12,7	6,35	9,52	12,7	15,88	19,05	22,22
Spessore rame Copper thickness Épaisseur du cuivre	mm	0,8	0,8	0,8	1,0	1,0	1,0	1,0	1,0	1,0
Max. press. esercizio Max. working press. Press. max. de service ASTM B 111 M	bar	130	92	70	173	115	86	70	59	50
Spessore isolante Insulating thickness Épaisseur de la gaine	mm	10	10	10	10	10	10	10	10	10
Packaging 50m rotoli Packaging 50m coils Emballage 50m en bobines	m/ pallet	1.000	900	800	1.000	900	800	700	nn	nn
Packaging 25m rotoli Packaging 25m coils Emballage 25m en bobines	m/ pallet	800	700	625	800	700	625	600	400	350

# TwinCoveral

# TwinCoveral white

DATI TECNICI / TECHNICAL DATA / DONNÉES TECHNIQUES						
Ø esterno del tubo in rame Ø ext. copper pipe Ø ext. du tube en cuivre	inch	1/4-3/8	1/4-1/2	1/4-5/8	3/8-5/8	3/8-3/4
	mm	6,35-9,52	6,35-12,7	6,35-15,88	9,52-15,88	9,52-19,05
Spessore rame Copper thickness Épaisseur du cuivre	mm	0,8-0,8	0,8-0,8	0,8-1,0	0,8-1,0	0,8-1,0
Max. press. esercizio Max. working press. Press. max. de service ASTM B 111 M	bar	130-92	130-70	130-70	92-70	92-59
Ø esterno del tubo in rame Ø ext. copper pipe Ø ext. du tube en cuivre	mm	1/4-3/8	1/4-1/2	1/4-5/8	3/8-5/8	3/8-3/4
Spessore rame Copper thickness Épaisseur du cuivre	mm	1,0-1,0	1,0-1,0	1,0-1,0	1,0-1,0	1,0-1,0
Max. press. esercizio Max. working press. Press. max. de service ASTM B 111 M	bar	173-115	173-86	173-70	115-70	115-59
Spessore isolante Insulating thickness Épaisseur de la gaine	mm	10-10	10-10	10-10	10-10	10-10
Packaging 20m rotoli Packaging 20m coils Emballage 20m en bobines	m/pallet	340	340	280	280	200

## Applicazioni

- ✓ Impianti di condizionamento
- ✓ Trasporto di fluidi frigoriferi (R410A, R407C, R32)

## Caratteristiche tubo di rame

Cu-DHP disossidato al fosforo. (Cu 99,9%, 0,015%  $\leq$  P  $\leq$  0,040%), con caratteristiche e tolleranze dimensionali conformi alla norma UNI EN 12735-1. Stato fisico ricotto R220 N/mm<sup>2</sup> qualità superficiale caratterizzata da quantità di residuo < 38mg/m<sup>2</sup> di superficie interna.

## Caratteristiche rivestimento

Polietilene espanso a cellule chiuse ottenuto per estrusione.  
Film di protezione agli agenti atmosferici ed ai raggi UV in lamina di alluminio di spessore 20 $\mu$ m.  
Colore: guaina isolante bianca con film esterno in alluminio / alluminio colorato bianco.  
Classe di reazione al fuoco europea secondo norma EN 13501-1: B<sub>1</sub>s1d0.  
Classe di reazione al fuoco francese M1.  
Elevato potere isolante  $\lambda = 0,0381\text{W}/(\text{m}\cdot\text{K})$  t.m. a 40°C misurata.  
Temperatura d'impiego -45°C fino a picchi di +120°C per brevi periodi.

## Coveral / Coveral White

e Twincoveral / Twincoveral White  
sono tubazioni di rame rivestite con isolanti che im-

piegano una miscela polimerica innovativa in grado di sopportare sollecitazioni termiche non continuative fino a picchi di 120°C, l'isolamento possiede un fattore di permeabilità  $\mu \geq 11.000$  che, associato alla valore di conduttività termica ed alla perfetta aderenza sul tubo rame, garantisce le migliori prestazioni anticondensa.

L'espansione del polietilene è realizzata senza l'utilizzo di gas nocivi per l'ambiente (CFC e HCFC) in ottemperanza al regolamento della Comunità Europea n°237 del 2000 ed alla direttiva 2002/95/EC (Direttiva RoHS) che vieta l'utilizzo di sostanze proibite.

## Rivestimento esterno anti UV in alluminio

Al fine di preservare l'isolante dall'azione diretta delle radiazioni solari e dagli agenti atmosferici è stato applicato al rivestimento un film protettivo in alluminio che prolunga significativamente la vita dell'isolante.

La perfetta pulizia interna dei tubi di alluminio è garantita dalla sigillatura delle teste con una pressatura di oltre 70tonn.

Tutte le omologazioni di cui sopra unitamente al particolare processo produttivo disciplinato da specifiche interne in ottemperanza alla norma di sistema UNI EN ISO 9001: 2015, rendono il prodotto idoneo alla realizzazione di tutti gli impianti installati secondo le specifiche della legge N°46/1990 e D.M 37/2008.





## Applications

- ✓ Air conditioning systems
- ✓ Transport of refrigerant fluids (R410A, R407C, R32)

## Copper pipe specifications

Cu-DHP phosphorized copper. (Cu 99,9%, 0,015% ≤ P ≤ 0,040%), with properties and dimensional tolerances in compliance with UNI EN 12735-1 norms. Physical condition: annealed R220 N/mm<sup>2</sup> surface quality characterized by amount of residue < 38mg/m<sup>2</sup> interior surface area.

## Insulation specifications

Extruded closed-cell polyethylene foam.

Coating shielding against atmospheric agents and UV rays in aluminum film, thickness 20µm.

Color: Insulating sheath white with external protective

film of aluminum color / white aluminum.

Fire retardant class according to European norm EN 13501-1: B<sub>1</sub>s1d0.

High insulating performance  $\lambda = 0.0381\text{W}/(\text{m}\cdot\text{K})$  t.m. at 40°C measured.

Functioning temperature range -45°C to peaks of +120°C for brief periods.

Coveral / Coveral White

and Twincoveral / Twincoveral White

are copper pipes insulated with an innovative mix of polymers that can withstand peak temperatures of up to 120°C, In addition, their permeability steam factor is  $\mu \geq 11.000$  which, together with the heat conductivity coefficient and their perfect adherence to the copper tubing, ensures maximum anti-condensation performance.

The polyethylene foam is produced without using environmentally noxious gases (CFC and HCFC) in adherence to European Community Regulation no. 2037 of 2000, and also in observance of Directive 2002/95/EC (RoHS), which prohibits the use of substance.

## Exterior UV blocking film in aluminum

In order to protect the insulation from direct sunlight and other atmospheric agents an outer layer of protective film in aluminum was applied, which significantly prolongs the life of the insulation.

Perfect internal cleanness of the aluminum tubes is guaranteed by Sealing the ends at a pressure of over 70tons.

All the above certified characteristics and the special production process regulated by in-house specifications are in compliance with UNI EN ISO 9001: 2015 norms, making the product suitable for use in all systems installed in compliance with Law N°46/1990 and D.M 37/2008.



**Coveral**



**B<sub>1</sub> s1,d0**

**Classe M1**

**UNI EN 12735-1**

**R 407C / R 410A**

**R 32**



**Coveral white**

## Domaines d'utilisation

- ✓ Systèmes de climatisation
- ✓ Transport de fluides frigorigènes (R410A, R407C, R32)

## Caractéristiques du tube en cuivre

Cu-DHP désoxydé au phosphore. (Cu 99,9%, 0,015%  $\leq P \leq 0,040\%$ ), ayant des caractéristiques et des tolérances dimensionnelles conformes à la norme UNI EN 12735-1.

Etat physique: recuit R220 N/mm<sup>2</sup> qualité de surface caractérisée par une quantité de résidu < 38mg/m<sup>2</sup> de surface intérieure.

## Caractéristiques de la gaine

Polyéthylène expansé à cellules fermées, fabriqué par extrusion.

Film de protection en aluminium 20  $\mu\text{m}$  contre les agressions atmosphériques et les rayons UV.

Couleur: gaine isolante blanche protégée par un film couleur aluminium / aluminium blanc.

Classé ininflammable M1.

Classe de réaction au feu européenne selon la norme EN 13501-1: B<sub>1</sub>s1d0.

Classe de réaction au feu française M1.

Pouvoir isolant élevé  $\lambda = 0,0381\text{W}/(\text{m}\cdot\text{K})$  t.m. à 40°C mesurée.

Température de service: - 45°C jusqu'à des pics de courte durée de + 120°C.

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et Twincoveral / Twincoveral White

sont des tubes en cuivre protégés par des isolants qui utilisent un mélange de polymères innovant, en mesure de tolérer des stress thermiques jusqu'à 120°C; en outre, leur facteur de perméabilité  $\mu \geq 11\ 000$ , associé au niveau de conductivité thermique et à l'adhésion impeccable au tube en cuivre, assure les meilleures performances anti-condensat.

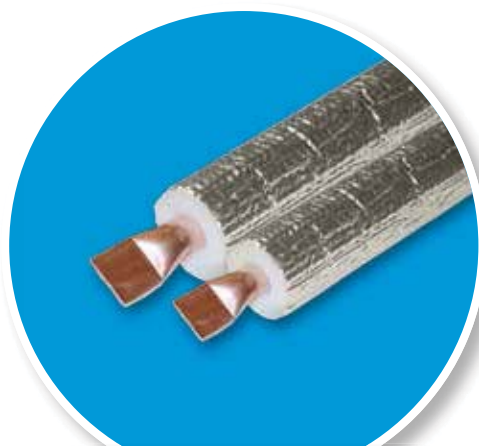
L'expansion du polyéthylène se fait sans recours à des gaz dangereux pour l'environnement (CFC ou HCFC) en conformité avec le règlement de la Communauté Européenne n°2037 de l'an 2000, et donc à la directive 2002/95/EC aussi (Directive RoHS), qui proscriit le recours à des substances interdites, telles que PBB, PBDE, CR, VI, PB, HG, Cd et Deca BDE.

## Revêtement extérieur anti-UV en aluminium

Afin de le préserver de l'action directe des rayons du soleil et des agressions atmosphériques, l'isolant est revêtu d'un film de protection en aluminium qui prolonge significativement sa vie.

La propreté parfaite de l'intérieur des tubes en est assurée par le scellage des extrémités par un sertissage à plus de 70 tonnes.

Toutes les homologations ci-dessus, associées à un processus de production spécial, conforme à des spécifications internes selon la norme de système UNI EN ISO 9001:2015, rendent le produit adapté à la réalisation de toutes les installations régies par la Loi N°46/1990 et l'A.M. N° 37/2008



**TwinCoveral**



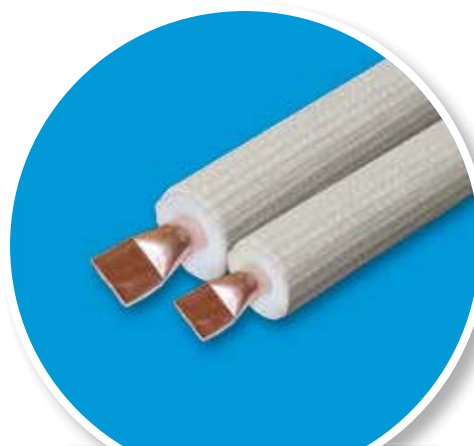
**B<sub>1</sub> s1, d0**

**Classe M1**

**UNI EN 12735-1**

**R 407C / R 410A**

**R 32**



**TwinCoveral white**

A single cable with a silver, textured outer jacket and a copper-colored braided shield. The end is cut, showing a white insulation layer and a copper conductor.

***Coveral***

A single cable with a white, textured outer jacket and a copper-colored braided shield. The end is cut, showing a white insulation layer and a copper conductor.

***Coveral*** white

A twin-core cable with a silver, textured outer jacket and a copper-colored braided shield. The end is cut, showing two white insulation layers and two copper conductors.

***TwinCoveral***

A twin-core cable with a white, textured outer jacket and a copper-colored braided shield. The end is cut, showing two white insulation layers and two copper conductors.

***TwinCoveral*** white

Ebrille srl - Strada Canelli 53/A  
14049 Nizza Monferrato (AT) Italy  
tel +39.0141.703.111  
fax +39.0141.703.140  
e-mail [info@ebrille.it](mailto:info@ebrille.it)  
[www.ebrille.it](http://www.ebrille.it)

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