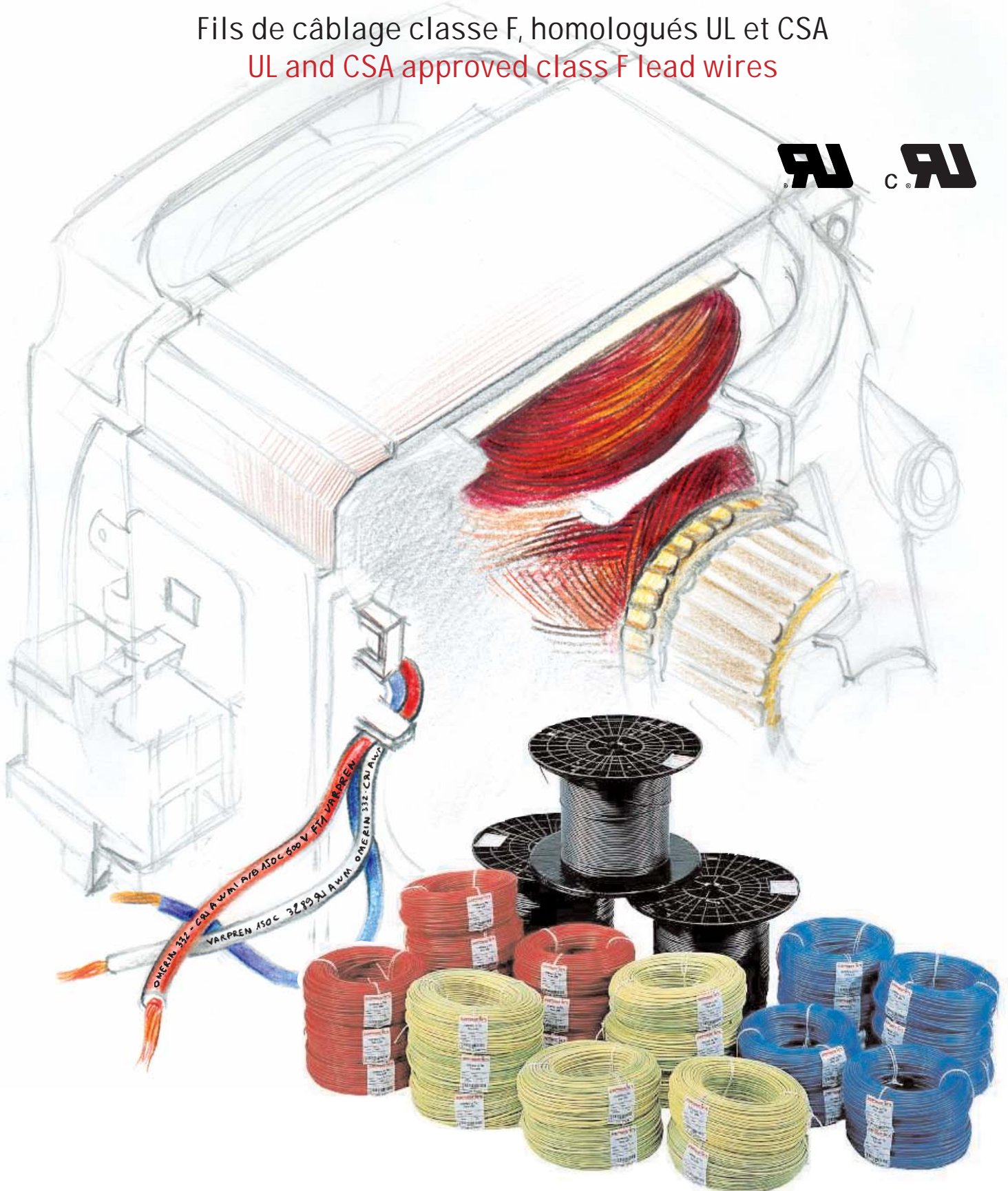


VARPREN® 155 UL

Fils de câblage classe F, homologués UL et CSA
UL and CSA approved class F lead wires



VARPREN® 155 UL

Fils de câblage classe F, homologués UL et CSA

UL and CSA approved class F lead wires

Styles 3289/3321

- 50 °C à/to + 155 °C

CARACTÉRISTIQUES

Générales

- Température admissible : de - 50 à + 155 °C.
- Bon comportement à la flamme : classé FT2 (CSA).
- Bonne résistance aux agressions chimiques et aux vernis d'imprégnation.

Électriques

- Tension nominale : 600 V.

FABRICATIONS STANDARD

- Sections américaines - AWG 24 → 4/0.
- Couleurs : blanc, noir, bleu, marron, rouge, jaune/vert.

OPTIONS

- Autres couleurs, nous consulter.
- Style 3271 : UL 125 °C - 600 V (AWG 30 → 200 MCM).

CONDITIONNEMENT

Couronnes, bobines, tourets ou SILIBOX®

NORMES ET HOMOLOGATIONS

UL 758 - CSA C22.2 N° 210.2

N° de dossier : E101965



APPLICATIONS

Fils de sortie de bobinage, câblage interne de moteurs classe F. Luminaire. Tous câblages en ambiance 150 °C.

CHARACTERISTICS

General

- Working temperatures: - 50 to + 155°C.
- Flame-retardant cables: FT2 (CSA) rated.
- Excellent resistance to chemical attack, compatible with most impregnation varnishes.

Electrical

- Working voltage: 600 V.

STANDARD PRODUCTS

- American wire gauge - AWG 24 → 4/0.
- Colors: white, black, blue, brown, red, green/yellow.

OPTIONS

- Other colours, consult us.
- Style 3271: UL 125°C - 600 V (AWG 30 → 200 MCM).

PACKAGING

Rolls, spools, drums or SILIBOX®

STANDARDS - APPROVALS

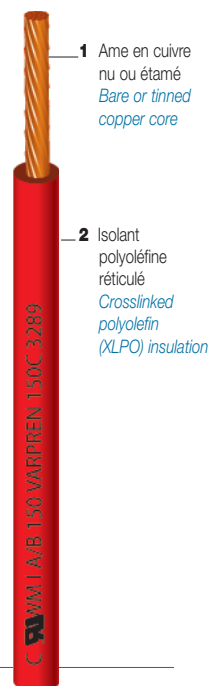
UL 758 - CSA C 22.2 N 210.2

File number: E101965

USE

Coil leads, internal wiring of class F motors, lighting features, any wiring at 150°C ambient temperature.

UL STYLE 3289 - CSA AWM I A/B



Section américaine <i>American wire gauge</i> AWG	Section métrique <i>Metric cross-section</i> mm ²	Composition nominale <i>Nominal stranding</i>	Épaisseur de paroi d'isolant <i>Thickness of insulation</i> mm	Diamètre extérieur nominal <i>Nominal external diameter</i> mm	Résistance linéique maxi à 20 °C <i>Maximum linear resistance at 20°C</i> Ω/km	Masse linéique approx. <i>Approx. linear weight</i> Kg/km
24	0.205	7/0.20	0.76	2.2	92.5	6.2
22	0.325	19/0.15	0.76	2.35	59.2	7.7
20	0.60	19/0.20	0.76	2.6	33.7	10.6
18	0.93	19/0.25	0.76	2.8	21.6	14.3
16	1.34	19/0.30	0.76	3.1	15.0	18.8
14	2.04	19/0.37	0.76	3.4	9.24	26.4
12	3.31	37/0.34	0.76	4	5.43	39.0
10	5.26	37/0.43	0.76	4.7	3.41	58.5
8	8.37	70/0.40	1.14	6.25	2.30	114
6	13.3	105/0.40	1.52	8	1.42	185
4	21.2	168/0.40	1.52	9.5	0.89	275
2	33.6	259/0.40	1.52	11.1	0.56	370
1	42.4	342/0.40	2.04	13	0.449	510
0	53.5	425/0.40	2.04	13.9	0.355	570
2/0	67.5	340/0.50	2.04	16.4	0.282	730
3/0	85	434/0.50	2.04	17.6	0.223	970
4/0	107	546/0.50	2.04	18.4	0.177	1080

VARPREN® est une marque déposée du groupe Omerin. VARPREN® is a registered trademark of Omerin.

SILICOUL®

1.1 kV

- 60°C to + 180°C (class H)

CHARACTERISTICS

Physical-chemical

- Continuous working temperatures: - 60°C to + 180°C
Peaks at + 230°C.
- Good resistance to thermal shock and UV.
- Excellent ageing resistance.
- Good resistance to ozone and the corona effect.
- Excellent mechanical strength.
- Bending radius $\approx 5 \times d$.
- Compatible with most impregnation varnishes.

Electrical

- Working voltage: 1.1 kV.
- Test voltage: 3.5 kV.
- Max. permissible current:
consult our technical departments.

PRODUCTS

- All cross-sections: yellow.

PACKAGING

- Rolls, spools or drums.

OPTIONS

- UL/CSA approval, 1.1KV : style 3661.
- Other working voltages: SILICOUL® 3.7 kV, 6.6 kV, 13.8 kV.
- Version without reinforcing braid, ref. SILICOUL® ST: consult us.
- Other cross-sections: consult us.

- 1 - Flexible tinned copper core - class 5 - IEC 60228.
- 2 - Separating tape.
- 3 - Silicone rubber.
- 4 - Coated synthetic reinforcing braid.

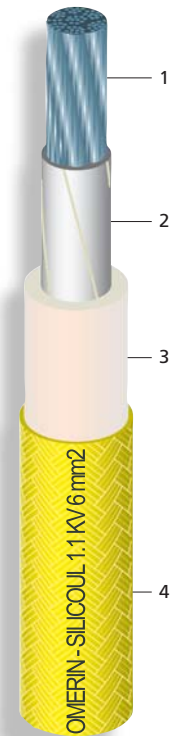
APPROVALS - STANDARDS

- F1 rated as per NF F 16-101.
- Type approval certificates for use in shipbuilding industry, IEC 60092-350 standards. Lloyd's Register of Shipping and Bureau Veritas.
- Fire behaviour : Meets requirements of IEC 60331-21, IEC 60332-1 and IEC 60332-3-22 tests.



APPLICATIONS

- Wiring of rotating machines: motors, alternators, generators.
- Wiring of static machines: transformers, inductors, inverters, choppers.
- Shipbuilding and railway construction.
- Power supply.



CORE

	Nominal cross-section mm ²	Nominal stranding	Max. linear resistance at 20°C Ω/km
*	1.5	30 x 0.25	13.7
*	2.5	50 x 0.25	8.21
*	4	56 x 0.30	5.09
	6	84 x 0.30	3.39
	10	80 x 0.40	1.95
	16	126 x 0.40	1.24
	25	196 x 0.40	0.795
	35	276 x 0.40	0.565
	50	396 x 0.40	0.393
	70	360 x 0.50	0.277
	95	485 x 0.50	0.210
	120	608 x 0.50	0.164
	150	756 x 0.50	0.132
	185	944 x 0.50	0.108
	240	1221 x 0.50	0.0817
	300	1525 x 0.50	0.0654
	400	2037 x 0.50	0.0495

* : No separating tape

INSULATED WIRE

	Nominal outer diameter mm	Approx. linear weight kg/km
	3.8	29.0
	4.3	37.8
	4.9	58.5
	6.0	76.6
	7.0	121
	8.6	178
	10.4	273
	11.9	376
	14.1	534
	15.9	738
	18.2	970
	20.3	1220
	22.8	1520
	24.8	1850
	28.8	2420
	31.5	3095
	34.6	4130