

VARPREN® 155 UL

Class F lead wires

UL and cUL approval



Approvals - standards

- UL approval as per standard UL 758 - File no.: E101965.
 - cUL approval (CSA) as per standard C22.2 No. 210 - File no.: E101965.
- "Horizontal flame test" as per UL approval.
- "FT2 flame rating" as per cUL approval.

Applications

- Class F cabling for electric motors.
 - Lights.
- Industrial cabling in hot atmospheres up to +150 °C.

Options

- Nickel-plated copper core: contact us.
 - Other colours: contact us.
- Other nominal cross-sections: contact us.
 - Other options: contact us.

Characteristics

General

- Continuous operating temperatures: -10 °C to +150 °C.
- Temperature: -55 °C, see PV SF190111 01.
- Good resistance to common chemical influences and impregnating varnishes.

Electrical

- Rated voltage: as per style no.
- Test voltage: 10 x Rated voltage.

Standard products

- Standard insulation colours: white, black, blue, brown, red or yellow/green.



- 1 • Flexible bare copper or tin-plated core.
- 2 • Insulation: Varpren®.

		Style no.		3398		3289 et 3321		30097	
		Approval		150 °C - 300 V XLFRPE		150 °C - 600 V VARPREN®		150 °C - 750 V VARPREN®	
AWG	Nominal cross-section (mm²)	Nominal stranding	Avg thickness of insulation (mm)	Nominal diameter* (mm)	Avg thickness of insulation (mm)	Nominal diameter* (mm)	Avg thickness of insulation (mm)	Nominal diameter* (mm)	
24	0.22	7 x 0.20	0.38	1.4	-	-	-	-	
22	0.34	19 x 0.15	0.38	1.6	0.76	2.35	0.76	2.35	
-	0.5	19 x 0.18	0.38	1.7	0.76	2.5	0.76	2.5	
20	0.6	19 x 0.20	0.38	1.8	0.76	2.6	0.76	2.6	
-	0.75	24 x 0.20	0.38	1.9	0.76	2.7	0.76	2.7	
18	0.93	19 x 0.25	0.38	2.0	0.76	2.8	0.76	2.8	
-	1	32 x 0.20	0.38	2.1	0.76	2.9	0.76	2.9	
16	1.34	19 x 0.30	0.38	2.3	0.76	3.1	0.76	3.1	
-	1.5	30 x 0.25	0.38	2.4	0.76	3.15	0.76	3.15	
14	-	19 x 0.37	0.38	2.6	0.76	3.4	0.76	3.4	
-	2.5	50 x 0.25	0.38	2.8	0.76	3.6	0.76	3.6	
12	-	37 x 0.34	0.38	3.2	0.76	4.0	0.76	4.0	
-	4	52 x 0.30	0.38	3.3	0.76	4.1	0.76	4.1	
10	-	37 x 0.43	0.38	3.9	0.76	4.7	0.76	4.7	
-	6	84 x 0.30	-	-	0.76	4.8	0.76	4.8	
8	-	70 x 0.40	-	-	1.14	6.3	1.14	6.3	
-	10	77 x 0.40	-	-	1.14	7.0	1.14	7.0	
6	-	105 x 0.40	-	-	1.52	8.4	1.52	8.4	
-	16	119 x 0.40	-	-	1.52	8.8	1.52	8.8	
4	-	168 x 0.40	-	-	1.52	9.8	1.52	9.8	
-	25	196 x 0.40	-	-	1.52	10.4	1.52	10.4	
2	35	259 x 0.40	-	-	2.04	11.7	2.04	11.7	
1	-	342 x 0.40	-	-	2.04	13.6	2.04	13.6	
-	50	370 x 0.40	-	-	2.04	14.3	2.04	14.3	
1/0	-	425 x 0.40	-	-	2.04	15.0	2.04	15.0	
2/0	70	340 x 0.50	-	-	2.04	16.5	2.04	16.5	
3/0	-	434 x 0.50	-	-	2.04	17.7	2.04	17.7	
-	95	475 x 0.50	-	-	2.04	18.7	2.04	18.7	
4/0	-	546 x 0.50	-	-	2.04	19.6	2.04	19.6	

KEY

- Conducting metals
- B Tin-plated copper
- B* Tin-plated copper (ø > 0.38 mm)
- C Nickel-plated copper
- D Silver-plated copper
- E Nickel
- F Bare copper
- F* Bare copper (ø > 0.38 mm)
- G Nickel-plated copper 27 %

- AWM I A Internal wiring, not subject to mechanical abuse
- AWM I A/B Internal wiring
- AWM II A/B External or Internal wiring
- NS Not Specified
- VNS Voltage Not Specified

■: UL approved nominal cross-sections only.

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* The diameter is provided for information purposes as it may vary depending on the stranding of the core. Only the average thickness of insulation should be taken into account.

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