

HIGH TEMPERATURE WIRES AND CABLES FOR THE GENERAL MARKET SECTION I: CROSS LINKED ELASTOMERS

VARPREN INSULATED WIRES AND CABLES

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.
- 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.

Style no. 3289 and 3321

Approval			150 °C – 600 V	
Nominal cross-section		Nominal stranding	Avg thick-ness of insulation (mm)	Nominal diameter*
AWG	(mm²)			(mm)
22	0.34	19 x 0.15	0.76	2.35
-	0.5	19 x 0.18	0.76	2.5
20	0.6	19 x 0.20	0.76	2.6
-	0.75	24 x 0.20	0.76	2.7
18	0.93	19 x 0.25	0.76	2.8
-	1	32 x 0.20	0.76	2.9
16	1.34	19 x 0.30	0.76	3.1
-	1.5	30 x 0.25	0.76	3.15
14	-	19 x 0.37	0.76	3.4
-	2.5	50 x 0.25	0.76	3.6
12	-	37 x 0.34	0.76	4.0
-	4	52 x 0.30	0.76	4.1
10	-	37 x 0.43	0.76	4.7
-	6	84 x 0.30	0.76	4.8
8	-	70 x 0.40	1.14	6.3
-	10	77 x 0.40	1.14	7.0
6	-	105 x 0.40	1.52	8.4
-	16	119 x 0.40	1.52	8.8
4	-	168 x 0.40	1.52	9.8
-	25	196 x 0.40	1.52	10.4
2	35	259 x 0.40	2.04	11.7
1	-	342 x 0.40	2.04	13.6
-	50	370 x 0.40	2.04	14.3
1/0	-	425 x 0.40	2.04	15.0
2/0	70	340 x 0.50	2.04	16.5
3/0	-	434 x 0.50	2.04	17.7
-	95	475 x 0.50	2.04	18.7
4/0	-	546 x 0.50	2.04	19.6
Conducting metal			BCDEFG	

For this product, please contact:

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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.

* 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.