

DESCAPREN UL-3289

AWG 24 – AWG 4/0

Halogen-free stranded wires 155°C 600 V UL-3289 / CSA

Application

As halogen-free, flame retardant UL/CSA approved stranded wire for the wiring of electrical panels, switchgears, electrical and electronic equipments, etc. and as a connection wire for motor and transformer windings, chokes and relays, which are subjected to an impregnation and/or as a connecting wire in an environment that demands a high temperature resistance.

Construction

Flexible tinned copper conductors
Insulation Polyolefin, high temperature resistant

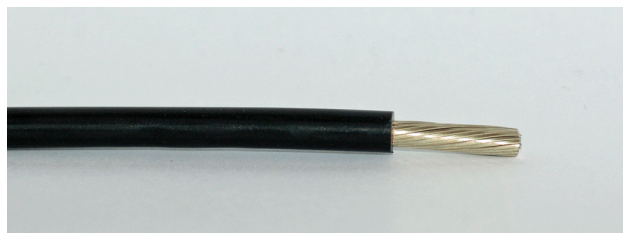
Special Characteristics

Halogen-free/ Proof	IEC 60754-1	VDE 0472-815
Gases corrosivity	IEC 60754-2	VDE 0472-813
Flame retardant	IEC 60332-1	VDE 0472-804 B
Smoke density	IEC 61034-1+2	VDE 0472-816

Ozone, oxygen and weather-resistant, resistant to varnish and impregnation process, good oil and gasoline resistance.

Cross section AWG	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
24	2.20	2.20	6.20
22	2.35	3.40	7.70
20	2.60	6.00	10.60
18	2.80	8.30	14.30
16	3.10	13.00	18.80
14	3.40	21.00	26.40
12	4.00	33.00	39.00
10	4.70	51.00	58.50
8	6.25	83.00	114.00
6	8.00	130.00	185.00
4	9.50	222.00	275.00
2	11.10	351.00	370.00
1	13.00	421.00	510.00
1/0	13.90	517.00	570.00
2/0	16.40	647.00	730.00
3/0	17.60	816.00	970.00
4/0	18.40	1047.00	1080.00

Colour code see next page



Technical Properties

Rated voltage U _{o/U}	600 V
Test voltage	3500 V
Temperature range	- 30°C ... + 155°C
Minimum bending radius	6 x outer diameter

Standards / Approvals

UL	AWM 3289	600 V	150°C
CSA	AWM I A/B	600 V	150°C

All packagings are delivered with UL + CSA Labels.

Packaging	Dimension
Spool 200 m	(160 x 90 x Centre 60 mm)
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Spool 200 m	(160 x 90 x Centre 60 mm)
Spool 100 m	(160 x 90 x Centre 60 mm)
Spool 100 m	(160 x 90 x Centre 60 mm)
Spool 100 m	
Spool 100 m	
Spool 100 m	
Spool 100 m	
Drum	cut to desired length
Drum	cut to desired length
Drum	cut to desired length
Drum	cut to desired length
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on request

in barrels, UL Style 3271 600 V 125°C (AWG 30 – AWG 200 MCM)

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AWG 24 – AWG 4/0

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Colour code							
AWG 24	black	blue	green-yellow	brown	grey	red	white
Spool 200 m	114010	114014	114018	114022	114026	114034	114038
	green	orange	violet	yellow	rose		
Spool 200 m	114042	114046	114050	114054	114058		
AWG 22	black	blue	green-yellow	brown	grey	red	white
Spool 200 m	114080	114084	114088	114092	114096	114104	114108
	green	orange	violet	yellow	rose		
Spool 200 m	114112	114116	114120	114124	114128		
AWG 20	black	blue	green-yellow	brown	grey	red	white
Spool 200 m	114150	114154	114158	114162	114166	114174	114178
	green	orange	violet	yellow	rose		
Spool 200 m	114182	114186	114190	114194	114198		
AWG 18	black	blue	green-yellow	brown	grey	red	white
Spool 200 m	114220	114224	114228	114232	114236	114244	114248
	green	orange	violet	yellow	rose		
Spool 200 m	114252	114256	114260	114264	114268		
AWG 16	black	blue	green-yellow	brown	grey	red	white
Spool 100 m	114290	114294	114298	114302	114306	114314	114318
	green	orange	violet	yellow	rose		
Spool 100 m	114322	114326	114330	114334	114338		
AWG 14	black	blue	green-yellow	brown	grey	red	white
Spool 100 m	114360	114364	114368	114372	114376	114384	114388
	green	orange	violet	yellow	rose		
Spool 100 m	114392	114396	114400	114404	114408		
AWG 12	black	blue	green-yellow	brown	grey		
Spool 100 m	114430	114434	114438	114442	114446		
AWG 10	black	blue	green-yellow	brown	grey		
Spool 100 m	114500	114504	114508	114512	114516		
AWG 8	black	blue	green-yellow	brown	grey		
Spool 100 m	114570	114572	114574	114576	114578		
AWG 6	black	blue	green-yellow	brown	grey		
Spool 100 m	114615	114617	114619	114621	114623		
AWG 4	black	blue	green-yellow	brown	grey		
Drum	114661	114663	114665	114667	114669		
AWG 2	black	blue	green-yellow	brown	grey		
Drum	114700	114701	114702	114703	114704		
AWG 1	black	green-yellow					
Drum	114710	114712					
AWG 1/0	black	green-yellow					
Drum	114716	114718					
AWG 2/0	black	green-yellow					
Drum	114724	114726					
AWG 3/0	black	green-yellow					
Drum	114732	114734					
AWG 4/0	black	green-yellow					
Drum	114740	114742					

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