

# DESCAFLEX UL-1 1027

AWG 28 - AWG 16

Halogen-free stranded wires mPPE 105°C 300 V UL/CSA

## Application

Halogen-free, flame retardant stranded wire for the internal wiring of electrical panels, switchgears, electrical and electronic equipment, etc..

A very economical processing of the wires allows the packaging in barrels. They are stackable and feature easy handling and low weight.

## Construction

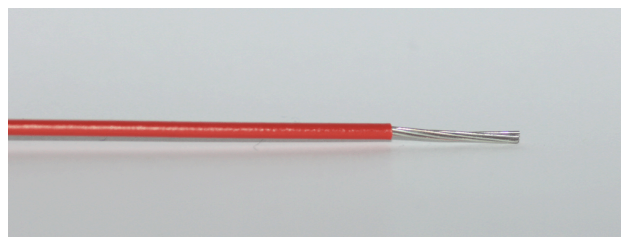
Conductors 7-strands (from AWG 18 19-strands),  
tinned copper  
Insulation mPPE (modified Polyphenylene Ether)

## Special Characteristics

The stranded wires have a good resistance to chemicals and oil. They meet the requirement vertical flame test VW-1 according to UL 1581, a high dielectric strength combined by compact dimensions is guaranteed.

Cross section AWG	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
28	0.85	0.90	1.45
28	0.85	0.90	1.45
26	0.93	1.40	1.95
26	0.93	1.40	1.95
24	1.05	2.20	2.80
24	1.05	2.20	2.80
22	1.20	3.40	4.15
22	1.20	3.40	4.15
20	1.42	6.00	6.45
20	1.42	6.00	6.45
18	1.75	8.30	10.65
18	1.75	8.30	10.65
16	2.00	13.00	14.65
16	2.00	13.00	14.65

Colour code see next page



## Technical Properties

Rated voltage U <sub>0</sub> /U	300 V
Test voltage	3000 V
Temperature range	- 10°C ... + 105°C
- static installation	- 40°C ... + 105°C
Minimum bending radius	6 x outer diameter

## Standards / Approvals

UL	AWM Style 11027	300 V	105°C
CSA	AWM I A/B	300 V	105°C

All packaging's are delivered with UL and CSA Labels.

Packaging	Dimension
Spool 305 m	160 x 60 x centre 26 mm
Barrel 3000 m	310 x 340 mm
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Spool 305 m	160 x 60 x centre 26 mm
Barrel 1500 m	310 x 340 mm
Spool 305 m	160 x 60 x centre 26 mm
Barrel 1500 m	310 x 340 mm

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Colour code								
<b>AWG 28</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	161250	161253	161256	161259	161262	161265	161268	161271
Barrel 3000 m	161251	161254	161257	161260	161263	161266	161269	161272
	green	orange	violet	yellow	rose			
Spool 305 m	161274	161277	161280	161283	161286			
Barrel 3000 m	161275	161278	161281	161284	161287			
<b>AWG 26</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	161340	161343	161346	161349	161352	161355	161357	161360
Barrel 3000 m	161341	161344	161347	161350	161353	161356	161358	161361
	green	orange	violet	yellow	rose			
Spool 305 m	161363	161366	161369	161373	161376			
Barrel 3000 m	161364	161367	161370	161374	161377			
<b>AWG 24</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	161430	161433	161436	161439	161442	161445	161448	161451
Barrel 3000 m	161431	161434	161437	161440	161443	161446	161449	161452
	green	orange	violet	yellow	rose			
Spool 305 m	161453	161456	161459	161463	161466			
Barrel 3000 m	161454	161457	161460	161464	161467			
<b>AWG 22</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	161520	161523	161526	161529	161533	161536	161539	161552
Barrel 3000 m	161521	161524	161527	161530	161534	161537	161540	161553
	green	orange	violet	yellow	rose			
Spool 305 m	161555	161558	161562	161565	161568			
Barrel 3000 m	161556	161589	161563	161566	161569			
<b>AWG 20</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	161610	161613	161616	161619	161622	161625	161628	161631
Barrel 3000 m	161611	161614	161617	161620	161623	161626	161629	161632
	green	orange	violet	yellow	rose			
Spool 305 m	161634	161637	161640	161643	161646			
Barrel 3000 m	161635	161638	161641	161644	161647			
<b>AWG 18</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	161700	161703	161706	161709	161712	161715	161718	161721
Barrel 1500 m	161701	161704	161707	161710	161713	161716	161719	161722
	green	orange	violet	yellow	rose			
Spool 305 m	161724	161727	161730	161733	161736			
Barrel 1500 m	161725	161728	161731	161734	161737			
<b>AWG 16</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	161790	161793	161796	161799	161802	161805	161808	161811
Barrel 1500 m	161791	161794	161797	161800	161803	161806	161809	161812
	green	orange	violet	yellow	rose			
Spool 305 m	161814	161817	161820	161823	161826			
Barrel 1500 m	161815	161818	161821	161824	161824			