

# DESCAFLEX UL-1 1029

AWG 28 - AWG 16

Halogen-free stranded wires mPPE 105°C 1000 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

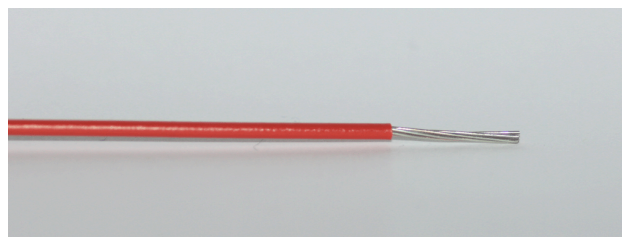
Conductors 7-strands (from AWG 18 19-strands), tinned copper  
Insulation mPPE (modified Polyphenylene Ether)

## 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	1.05	0.90	1.78
28	1.05	0.90	1.78
26	1.15	1.40	2.35
26	1.15	1.40	2.35
24	1.30	2.20	3.35
24	1.30	2.20	3.35
22	1.45	3.40	4.70
22	1.45	3.40	4.70
20	1.65	6.00	7.10
20	1.65	6.00	7.10
18	2.00	8.30	11.50
18	2.00	8.30	11.50
16	2.23	13.00	15.50
16	2.23	13.00	15.50

Colour code see next page



## Technical Properties

Rated voltage U <sub>0</sub> /U	1000 V
Test voltage	10000 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 11029	1000 V 105°C
CSA	AWM I A/B	1000 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	162700	162703	162706	162709	162712	162715	162718	162721
Barrel 3000 m	162701	162704	162707	162710	161713	162716	162719	162722
	green	orange	violet	yellow	rose			
Spool 305 m	162724	162727	162730	162733	162736			
Barrel 3000 m	162725	162728	162731	162734	162737			
<b>AWG 26</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	162790	162793	162796	162799	162802	162805	162808	162811
Barrel 3000 m	162791	162794	162797	162800	162803	162806	162809	162812
	green	orange	violet	yellow	rose			
Spool 305 m	162814	162817	162820	162823	162826			
Barrel 3000 m	162815	162818	162821	162824	162827			
<b>AWG 24</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	162880	162883	162886	162889	162892	162895	162898	162901
Barrel 3000 m	162881	162884	162887	162890	162893	162896	162899	162902
	green	orange	violet	yellow	rose			
Spool 305 m	162904	162907	162910	162913	162916			
Barrel 3000 m	162905	162908	162911	162914	162917			
<b>AWG 22</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	162970	162973	162976	162979	162982	162985	162988	162991
Barrel 3000 m	162971	162974	162977	162980	162983	162986	162989	162992
	green	orange	violet	yellow	rose			
Spool 305 m	162994	162997	163000	163003	163006			
Barrel 3000 m	162995	162998	163001	163004	163007			
<b>AWG 20</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	163060	163063	163066	163069	163072	163075	163078	163081
Barrel 3000 m	163061	163064	163067	163070	163073	163076	163079	163082
	green	orange	violet	yellow	rose			
Spool 305 m	163084	163087	163090	163093	163096			
Barrel 3000 m	163085	163088	163091	163094	163097			
<b>AWG 18</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	163150	163153	163156	163159	163162	163165	163168	163171
Barrel 1500 m	163151	163154	163157	163160	163163	163166	163169	163172
	green	orange	violet	yellow	rose			
Spool 305 m	163174	163177	163180	163183	163186			
Barrel 1500 m	163175	163178	163181	163184	163187			
<b>AWG 16</b>	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 305 m	163240	163243	163246	163249	163252	163255	163258	163261
Barrel 1500 m	163241	163244	163247	163250	163253	163256	163259	163262
	green	orange	violet	yellow	rose			
Spool 305 m	163264	163267	163270	163273	163276			
Barrel 1500 m	163265	163268	163271	163274	163277			