



DESCAPREN 150

Halogen-free stranded wires 150°C

0,50 mm² - 150,00 mm²

For halogen-free, flame retardant 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.

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

Construction	Flexible tinned copper conductors, acc. to IEC 60228, class 5 Insulation Polyolefin, high temperature resistant	
Technical Data	Rated voltage U ₀ /U	450 / 750 V
	Test voltage	2500 V
	Temperature range	- 40°C ... + 105°C
	Max. temperature	+170°C
	Min. bending radius	6 x outer diameter
Standards / Approvals	- -	

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.

Technical Information

Cross section AWG	Outer-Ø ca. mm	Copper kg/km	Weight kg/km
0,50	2.20	4.80	9.50
0,75	2.40	7.20	12.50
1,00	2.50	9.60	15.00
1,50	3.00	14.40	21.50
2,50	3.60	24.00	34.00
4,00	4.30	38.40	50.00
6,00	4.90	57.60	71.00
10,00	6.60	96.00	121.00
16,00	7.70	153.60	180.00
25,00	9.60	240.00	282.00
35,00	10.70	336.00	367.00
50,00	12.60	480.00	563.00
70,00	14.90	672.00	772.00
95,00	17.20	912.00	992.00
120,00	19.00	1152.00	1300.00
150,00	21.00	1440.00	1620.00

0,50 mm ²	black	light blue	green-yellow	brown	grey	dark blue	red
PU							
Spool 200 m	112720	112724	112728	112732	112736	112740	112744
Barrel 4500 m	112722	112726	112730	112734	112738	112742	112746

0,50 mm ²	white	green	orange	violet	yellow	rose
PU						
Spool 200 m	112748	112752	112756	112760	112764	112768
Barrel 4500 m	112750	112754	112758	112762	112766	112770

0,75 mm ²	black	light blue	green-yellow	brown	grey	dark blue	red
PU							
Spool 100 m	112790	112794	112798	112802	112806	112810	112814
Barrel 3500 m	112792	112796	112800	112804	112808	112812	112816

0,75 mm ²	white	green	orange	violet	yellow	rose
PU						
Spool 100 m	112818	112822	112826	112830	112834	112838
Barrel 3500 m	112820	112824	112828	112832	112836	112840

1,00 mm ²	white	green	orange	violet	yellow	rose
PU						
Spool 100 m	112888	112892	112896	112900	112904	112908
Barrel 3000 m	112890	112894	112898	112902	112906	112910

1,00 mm ²	black	light blue	green-yellow	brown	grey	dark blue	red
PU							
Spool 100 m	112860	112864	112868	112872	112876	112880	112884
Barrel 3000 m	112862	112866	112870	112874	112878	112882	112886

1,50 mm ²	black	light blue	green-yellow	brown	grey	dark blue	red
PU							
Spool 100 m	112930	112934	112938	112942	112946	112950	112954
Barrel 2000 m	112932	112936	112940	112944	112948	112952	112956

1,50 mm ²	white	green	orange	violet	yellow	rose
PU						
Spool 100 m	112958	112962	112966	112970	112974	112978
Barrel 2000 m	112960	112964	112968	112972	112976	112980

2,50 mm ²	black	light blue	green-yellow	brown	grey	dark blue	red
PU							
Spool 100 m	113000	113004	113008	113012	113016	113020	113024
Barrel 1500 m	113002	113006	113010	113014	113018	113022	113026

2,50 mm ²	white	green	orange	violet	yellow	rose
PU						
Spool 100 m	113028	113032	113036	113040	113044	113048
Barrel 1500 m	113030	113034	113038	113042	113046	113050

4,00 mm ²	black	light blue	green-yellow	brown	grey	dark blue	red
PU							
Coil 100 m	113070	113074	113078	113082	113086	113090	113094
Drum	113071	113075	113079	113083	113087	113091	113095

4,00 mm ²	white	green	orange	violet	yellow	rose
PU						
Coil 100 m	113098	113102	113106	113110	113114	113118
Drum	113099	113103	113107	113111	113115	113119

6,00 mm ²	black	light blue	green-yellow	brown	grey	dark blue	red
PU							
Coil 100 m	113140	113144	113148	113152	113156	113160	113164
Drum	113141	113145	113149	113153	113157	113161	113165

6,00 mm ²	weiss	grün	orange	violett	gelb	rosa
PU						
Coil 100 m	113168	113172	113176	113180	113184	113188
Drum	113169	113173	113177	113181	113185	113189

10,00 mm ²	black	light blue	green-yellow	brown	grey
PU					
Coil 100 m	113210	113212	113214	113216	113218
Drum	113211	113213	113215	113217	113219

16,00 mm ²	black	light blue	green-yellow	brown	grey
PU					
Coil 100 m	113240	113242	113244	113246	113248
Drum	113241	113243	113245	113247	113249

25,00 mm ²	black	light blue	green-yellow	brown	grey
PU					
Drum	113265	113266	113267	113268	113269

35,00 mm ²	black	light blue	green-yellow	brown	grey
PU					
Drum	113290	113291	113292	113293	113294

50,00 mm ²	black	light blue	green-yellow	brown	grey
PU					
Drum	113290	113291	113292	113293	113294

70,00 mm ²	black	light blue	green-yellow	brown	grey
PU					
Drum	113390	113391	113392	113393	113394

95,00 mm ²	black	light blue	green-yellow	brown	grey
PU					
Drum	113400	113401	113402	113403	113404

120,00 mm ²	black	light blue	green-yellow	brown	grey
PU					
Drum	113410	113411	113412	113413	113414

150,00 mm ²	black	light blue	green-yellow
PU			
Drum	113420	113421	113422

Packaging	Dimension
Spool 100 m	160 x 75 x center 60 mm
Spool 200 m	160 x 90 x center 60 mm
Coil 100 m	-
Barrel 1500 m	400 x 400 x 500 mm
Barrel 2000 m	400 x 400 x 500 mm
Barrel 3000 m	400 x 400 x 500 mm
Barrel 3500 m	400 x 400 x 500 mm
Barrel 4500 m	400 x 400 x 500 mm
Drum	Cut to desired length

Stock availability
Item numbers marked in bold are generally available from stock, subject to prior sale.