



## DESCAFIL ECO-90

Halogen-free solid wires 90°C (105°C) H05Z-U / H07Z-U

0,50 mm<sup>2</sup> - 2,50 mm<sup>2</sup>

As a halogen-free, flame-retardant installation conductor in luminaires and in an environment that requires increased temperature resistance, etc.

<b>Construction</b>	Solid bare copper conductors, acc. to IEC 60228, class 2 Insulation polymer blend, heat-resistant	
	<i>Note:</i> The solid wires from cross-section 1.50 mm <sup>2</sup> in the colours green, yellow and bi-coloured types, with the exception of the protective conductor green-yellow, are manufactured according to H07Z-U. They are not harmonized <HAR>.	
<b>Technical Data</b>	Rated voltage U <sub>0</sub> /U	
	up to 1,00 mm <sup>2</sup>	300 / 500 V
	from 1,50 mm <sup>2</sup>	450 / 750 V
	Test voltage	
	up to 1,00 mm <sup>2</sup>	2000 V
	from 1,50 mm <sup>2</sup>	2500 V
	Temperature range	- 5°C ... + 90°C - 5°C ... + 105°C (reduced withstand)
	Minimum bending radius	6 x cable diameter
<b>Standards / Approvals</b>	Cenelec HD 22.9 S3:2007 from 0,50 mm <sup>2</sup> H05Z-U <HAR> from 1,50 mm <sup>2</sup> H07Z-U <HAR>	

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

## Technical Information

Cross section mm <sup>2</sup>	Outer-Ø ca. mm	Copper kg/km	Weight kg/km
0,50	2.10	4.80	9.00
0,75	2.30	7.20	11.00
1,00	2.50	9.60	14.00
1,50	2.90	14.40	20.00
2,50	3.50	24.00	32.00

0,50 mm <sup>2</sup>	black	light blue	green-yellow	brown	grey	dark blue	red
<b>PU</b>							
Spool 1000 m	151620	151624	151628	151632	151636	151640	151644
Barrel 2000 m	<b>151622</b>	<b>151626</b>	<b>151630</b>	<b>151634</b>	<b>151638</b>	151642	<b>151646</b>

0,50 mm <sup>2</sup>	white	green	orange	violett	yellow	rose
<b>PU</b>						
Spool 1000 m	151648	151652	151656	151660	151664	151668
Barrel 2000 m	<b>151650</b>	151654	<b>151658</b>	<b>151662</b>	151666	151670

0,75 mm <sup>2</sup>	black	light blue	green-yellow	brown	grey	dark blue	red
<b>PU</b>							
Spool 1000 m	<b>151691</b>	<b>151695</b>	<b>151699</b>	<b>151703</b>	<b>151707</b>	151711	<b>151715</b>
Barrel 2000 m	151692	151696	151700	151704	151708	151712	151716

0,75 mm <sup>2</sup>	white	green	orange	violett	yellow	rose
<b>PU</b>						
Spool 1000 m	<b>151719</b>	<b>151723</b>	<b>151727</b>	<b>151731</b>	151735	151739
Barrel 2000 m	151720	151724	151728	151732	151736	151740

1,00 mm <sup>2</sup>	black	light blue	green-yellow	brown	grey	dark blue	red
<b>PU</b>							
Spool 500 m	151760	151764	151768	151772	151776	151780	151784
Barrel 1500 m	151762	151766	151770	151774	151778	151782	151786

1,00 mm <sup>2</sup>	white	green	orange	violett	yellow	rose
<b>PU</b>						
Spool 500 m	151788	151792	151796	151800	151804	151808
Barrel 1500 m	151790	151794	151798	151802	151806	151810

1,50 mm <sup>2</sup>	black	light blue	green-yellow	brown	grey	dark blue	red
<b>PU</b>							
Spool 500 m	<b>151831</b>	<b>151835</b>	<b>151839</b>	<b>151843</b>	<b>151847</b>	151851	<b>151855</b>
Barrel 1000 m	151832	151836	151840	151844	151848	151852	151856

1,50 mm <sup>2</sup>	white	green	orange	violett	yellow	rose
<b>PU</b>						
Spool 500 m	<b>151859</b>	151863	151867	151871	151875	151879
Barrel 1000 m	151860	151864	151868	151872	151876	151880

2,50 mm <sup>2</sup>	black	light blue	green-yellow	brown	grey	dark blue	red
<b>PU</b>							
Spool 400 m	151900	151904	151908	151912	151916	151920	151924
Barrel 800 m	151902	151906	151910	151914	151918	151922	151926

2,50 mm <sup>2</sup>	white	green	orange	violett	yellow	rose
<b>PU</b>						
Spool 400 m	151928	151932	151936	151940	151944	151948
Barrel 800 m	151930	151934	151938	151942	151946	151950

### On request

In larger barrels 500 x 500 x 800 mm or on larger spools

### Stock availability

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

Packaging	Dimension
Spool 1000 m	250 x 170 x center 90 mm
Spool 500 m	250 x 170 x center 90 mm
Spool 400 m	250 x 170 x center 90 mm
Barrel 2000 m	400 x 400 x 400 mm
Barrel 1500 m	400 x 400 x 400 mm
Barrel 800 m	400 x 400 x 400 mm