

DESCAFIL ECO-90

0,50 mm² - 2,50 mm²

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

Application

For halogen-free wiring in lighting installation and in an environment that demands a high temperature resistance, for wiring of appliances as well as solid wire in domestic and industrial installations, in conduit pipe either on or underneath plaster, for wiring in control panels, etc..

Construction

Solid bare copper conductors, acc. to IEC 60228, class 2
Insulation polymer blend, heat-resistant

Note:

The solid wires from cross-section 1.50 mm² 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>.

Special Characteristics

Halogen-free/ Proof	IEC 60754-1
Gases corrosivity	IEC 60754-2
Flame retardant	IEC 60332-1-2
Smoke density	IEC 61034-1+2

Cross section mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
0.50	2.10	4.80	9.00
0.50	2.10	4.80	9.00
0.75	2.30	7.20	11.00
0.75	2.30	7.20	11.00
1.00	2.50	9.60	14.00
1.00	2.50	9.60	14.00
1.50	2.90	14.40	20.00
1.50	2.90	14.40	20.00
2.50	3.50	24.00	32.00
2.50	3.50	24.00	32.00

Colour code see next page



Technical Properties

Rated voltage U ₀ /U	
up to 1,00 mm ²	300 / 500 V
from 1,50 mm ²	450 / 750 V
Test voltage	
up to 1,00 mm ²	2000 V
from 1,50 mm ²	2500 V
Temperature range	- 5°C ... + 90°C
	- 5°C ... + 105°C (reduced withstand)
Minimum bending radius	6 x outer diameter

Standards / Approvals

Cenelec HD 22.9 S3:2007	
from 0,50 mm ²	H05Z-U <HAR>
from 1,50 mm ²	H07Z-U <HAR>

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

on request

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

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Colour code								
0,50 mm²	black	light blue	green-yellow	brown	grey	dark blue	red	white
Spool 1000 m	151620	151624	151628	151632	151636	151640	151644	151648
Barrel 2000 m	151622	151626	151630	151634	151638	151642	151646	151650
	green	orange	violet	yellow	rose			
Spool 1000 m	151652	151656	151660	151664	151668			
Barrel 2000 m	151654	151658	151662	151666	151670			
0,75 mm²	black	light blue	green-yellow	brown	grey	dark blue	red	white
Spool 1000 m	151691	151695	151699	151703	151707	151711	151715	151719
Barrel 2000 m	151692	151696	151700	151704	151708	151712	151716	151720
	green	orange	violet	yellow	rose			
Spool 1000 m	151723	151727	151731	151735	151739			
Barrel 2000 m	151724	151728	151732	151736	151740			
1,00 mm²	black	light blue	green-yellow	brown	grey	dark blue	red	white
Spool 500 m	151760	151764	151768	151772	151776	151780	151784	151788
Barrel 1500 m	151762	151766	151770	151774	151778	151782	151786	151790
	green	orange	violet	yellow	rose			
Spool 500 m	151792	151796	151800	151804	151808			
Barrel 1500 m	151794	151798	151802	151806	151810			
1,50 mm²	black	light blue	green-yellow	brown	grey	dark blue	red	white
Spool 500 m	151831	151835	151839	151843	151847	151851	151855	151859
Barrel 1000 m	151832	151836	151840	151844	151848	151852	151856	151860
	green	orange	violet	yellow	rose			
Spool 500 m	151863	151867	151871	151875	151879			
Barrel 1000 m	151864	151868	151872	151876	151880			
2,50 mm²	black	light blue	green-yellow	brown	grey	dark blue	red	white
Spool 400 m	151900	151904	151908	151912	151916	151920	151924	151928
Barrel 800 m	151902	151906	151910	151914	151918	151922	151926	151930
	green	orange	violet	yellow	rose			
Spool 400 m	151932	151936	151940	151944	151948			
Barrel 800 m	151934	151938	151942	151946	151950			

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