



Construction:

1. Conductor : fine stranded copper, class 5.
2. Insulation : halogen-free, cross-linked polyolefin copolymerisate.

Properties:

Self-extinguishing and flame retardant.

The materials used in manufacture are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers.

Technical data and tests:

- Nominal voltage U_0/U : 450/750 V.
Test voltage : 2500 V (A.C.).
Temperature range : fixed $+5^\circ\text{C}$ till $+90^\circ\text{C}$.
Operating temperature : short circuit at 250°C .
Short circuit time : max. 5 sec.
Bending radius : one time/fixed 6 x diameter.
Flammability : EN 60332-1; IEC 60332-1.

Standards:

- DIN VDE 0282-9.
HD 22.9 S2+A1.
DIN EN 60228 class 5 - Conductor construction.

Applications:

These halogen-free installation wires with improved properties in the case of fire are destined for use in dry locations, for wiring of lamps, appliances, switchgears and distribution cabinets, in buildings. These cables are also suitable for installation in conduits, on, in and under the wall surface. In case of fire, these wires inhibit the propagation of flames and the development of smoke is extremely low. No corrosive gases are emitted in the event of fire.





DIMENSIONS					
Nominal cross section mm	Colours	Copper figure kg/km	Overall diameter appr. mm	Calorific potential kWh / m	Weight approximate kg / km
1,5	bk/bl/br 1	5	2,9	0,40	20
	yg/gr/wt/or/rd	15	2,9	0,40	20
2,5	bk/bl/lbl/br	25	3,6	0,49	32
	yg/gr/rd	25	3,6	0,49	32
4	bk/bl/br	40	4,1	0,59	46
	yg/gr/rd	40	4,1	0,59	46
6	bk/bl/br	60	4,8	0,71	65
	yg/gr/rd	60	4,8	0,71	65
10	bk/bl	100	6,3	0,89	111
	yg	100	6,3	0,89	111
16	bk/bl/br	160	7,2	1,20	166
	yg	160	7,2	1,20	166
25	bk/bl/br	250	9,0	1,80	255
	yg	250	9,0	1,80	255
35	bk/bl	350	10,1	2,20	348
	yg	350	10,1	2,20	348
50	bk/bl	500	12,0	2,90	501
	yg	500	12,0	2,90	501
70	bk	700	13,6	3,70	685
	yg	700	13,6	3,70	685
95	bk	950	15,6	4,30	902
	yg	950	15,6	4,30	902

Any other sizes available on request.

