HALLEY CABLES

HSLH

Control cables (0.6/1 kV)

Cable with flexible copper wires and HFFR sheath

Construction:

Conductor	: flexible copper wires, plain.
Insulation	: HFFR compound, TI6.
Core identification	: coloured cores or numbered cores
Lay-up	: cores laid up in layers of optimum pitch
Outer sheath	: HFFR compound, TM7.
Sheath colour	: RAL 9005, Black.

Technical data and tests:

Insulation resistance	: min. 50 MΩ/km.
Rated voltage Uo/U	: 0,6/1 kV.
Test voltage (AC 50 Hz)	: 4 kV.
Temperature range	: fixed : - 30° C ~ + 70° C.
	mobile : - 5° C ~ + 50° C.
Short circuit temp. on core	: 160° C.
Min. bending radius	: fixed : 8 x D.
	mobile : 15 x D.
HFFR	: halogen-free flame retardant

Standards:

Cable	: VDE 0245-20.
	(Designed according to)
	HD 21.14 S1 & HD 21.13 S1.
Conductor	: IEC 60228 Class 5, DIN EN 60228 Class 5.
Insulation	: DIN EN 50367-7.
Outer sheath	: DIN EN 50367-8.
Smoke density	: IEC 61034-2 & DIN EN 61034-2.
Halogen-free properties	: IEC 60754-1/2 & DIN EN 50267-2.
Flame test	: IEC 60332-3 & DIN EN 50266-2-4.

Applications:

These flexible cables must be used as energy or connecting cables in mechanical engineering for applications such as: instrumentation and control equipment for tooling machinery production lines and flexible applications for free movement with low tensile load. These cables with copper screening are ideally suitable for interference-free data and signal transmission in measuring and control technology. These cables are used for outdoor installation and are not recommended for direct burial.

DIMENSIONS

No. of cores x cross section mm²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
2X1	7,6	18	88
12X1	14,9	106	330
18X1	17,7	158	487
25X1	21,5	219	705
3X1,5	8,5	38	123
4X1,5	9,5	52	156
18X1,5	18,7	230	600
25X1,5	22,9	320	853
2X2,5	9,0	43	138
3X2,5	9,6	64	173
2X4	11,0	69	208
3X4	11,9	102	264
5X4	14,7	171	397
3X6	13,4	156	354
3X10	16,0	270	542
4X16	20,3	567	938
5X16	22,5	709	1172
1x300	34,2	2730	3500

* Any other sizes available upon request.